

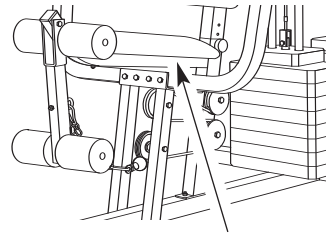
WEIDER[®] PRO 9450

USER'S MANUAL

Model No. WEEVSY39120

Serial No. _____

Write the serial number in the space above for reference.



Serial Number Decal (Under Seat)

QUESTIONS?

As a manufacturer, we are committed to providing complete customer satisfaction. If you have questions, or if there are missing or damaged parts, please call:

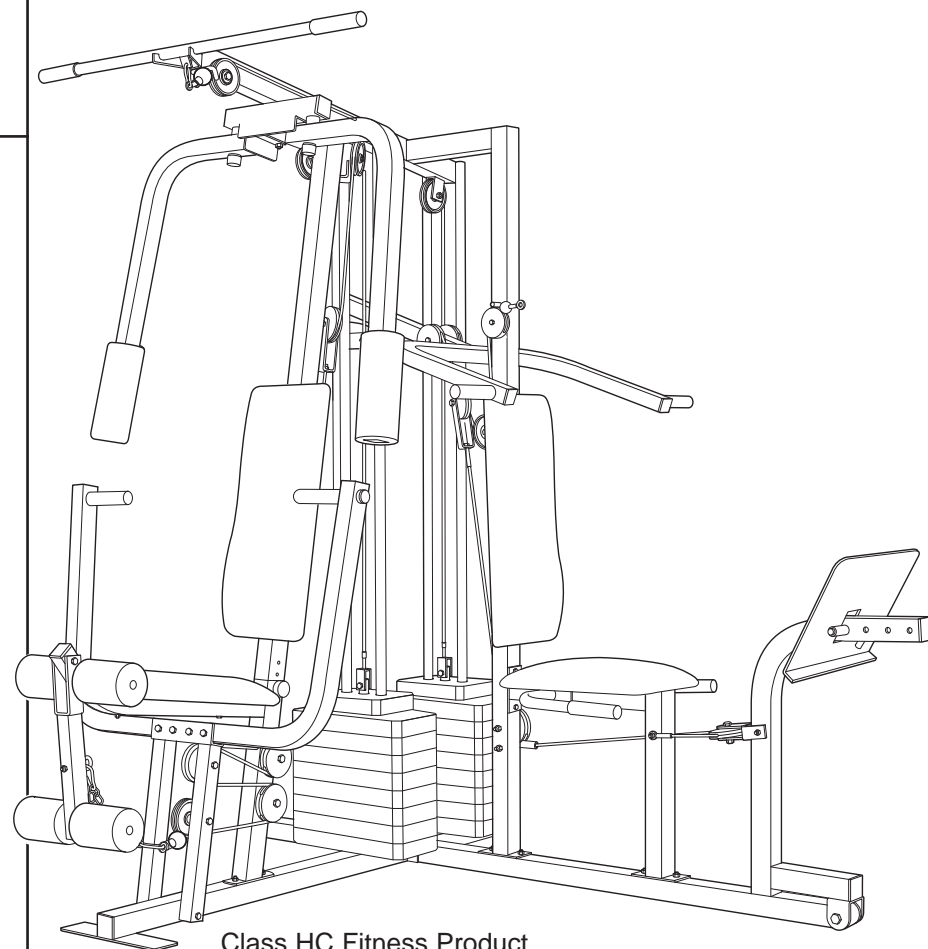
08457 089 009

Or write:
ICON Health & Fitness, Ltd.
Unit 4
Revie Road Industrial Estate
Revie Road
Beeston
Leeds, LS11 8JG
UK

email: csuk@iconeurope.com

⚠ CAUTION

Read all precautions and instructions in this manual before using this equipment. Save this manual for reference.



Class HC Fitness Product



Visit our website at

www.iconeurope.com

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Back Cover

Note: A PART IDENTIFICATION CHART and a PART LIST/EXPLODED DRAWING are attached at the centre of this manual. Remove the PART IDENTIFICATION CHART and the PART LIST/EXPLODED DRAWING before beginning assembly.

WARNING DECAL PLACEMENT

The warning decals shown at the right have been placed on the weight system in the locations shown on page 4. If a decal is missing or illegible, please call our Customer Service Department at 08457 089 009 and order a free replacement decal. Place the decal on the weight system in the location shown.

Warning Decal No. 1

WARNING

• Keep clear of this area.

Warning Decal No. 2

WARNING

• Misuse of this product may result in serious injury.

• Read user's manual and follow all warnings and operating instructions prior to use.

• Do not allow children on or around machine.

• Replace label if damaged, illegible, or removed.

Warning Decal No. 3

WARNING

Keep hands and fingers clear of this area.

Warning Decal No. 4

WARNING

This equipment is not to be used by more than one person at a time.

WARNUNG

Erlauben Sie niemals mehr als einer Person die Benutzung des Gerätes.

ATTENTION

Cet appareil ne doit être utilisé que par une personne à la fois.

ATTENZIONE

Non permettere a più di una persona alla volta di usare questo equipaggiamento.

PRECAUCIÓN

Este equipo no debe ser utilizado por más de una persona al mismo tiempo.

IMPORTANT PRECAUTIONS

⚠ WARNING: To reduce the risk of serious injury, read the following important precautions before using the weight system.

- | | |
|--|--|
| 1. Read all instructions in this manual and in the accompanying literature before using the weight system. | 9. Keep hands and feet away from moving parts. |
| 2. It is the responsibility of the owner to ensure that all users of the weight system are adequately informed of all precautions. | 10. Always disconnect the lat bar from the weight system when performing an exercise that does not use the lat bar. |
| 3. The weight system is intended for home use only. Do not use the weight system in an commercial, rental, or institutional setting. | 11. Never release the press arm, butterfly arms, military press arm, leg lever, leg press plate, lat bar or nylon strap whilst weights are raised. The weights will fall with great force. |
| 4. Use the weight system only on a level surface. Cover the floor beneath the weight system to protect the floor. | 12. Always stand on a foot plate when performing an exercise that could cause the weight system to tip. |
| 5. Make sure all parts are properly tightened each time you use the weight system. Replace any worn parts immediately. | 13. Keep your hands away from the leg press upright when the military press arm is being used. Your hand could become pinched between the leg press upright and military press arm. |
| 6. Keep children under the age of 12 and pets away from the weight system at all times. | 14. Make sure that the cables remain on the pulleys at all times. If the cables bind whilst you are exercising, stop immediately and make sure that the cables are on all of the pulleys. |
| 7. The weight system is designed to support a maximum user weight of 115 kg (250 lbs.). | |
| 8. Always wear athletic shoes for foot protection. | 15. If you feel pain or dizziness at any time whilst exercising, stop immediately and begin cooling down. |

⚠ WARNING: Before beginning this or any exercise program, consult your physician. This is especially important for persons over the age of 35 or persons with pre-existing health problems. Read all instructions before using. ICON assumes no responsibility for personal injury or property damage sustained by or through the use of this product.

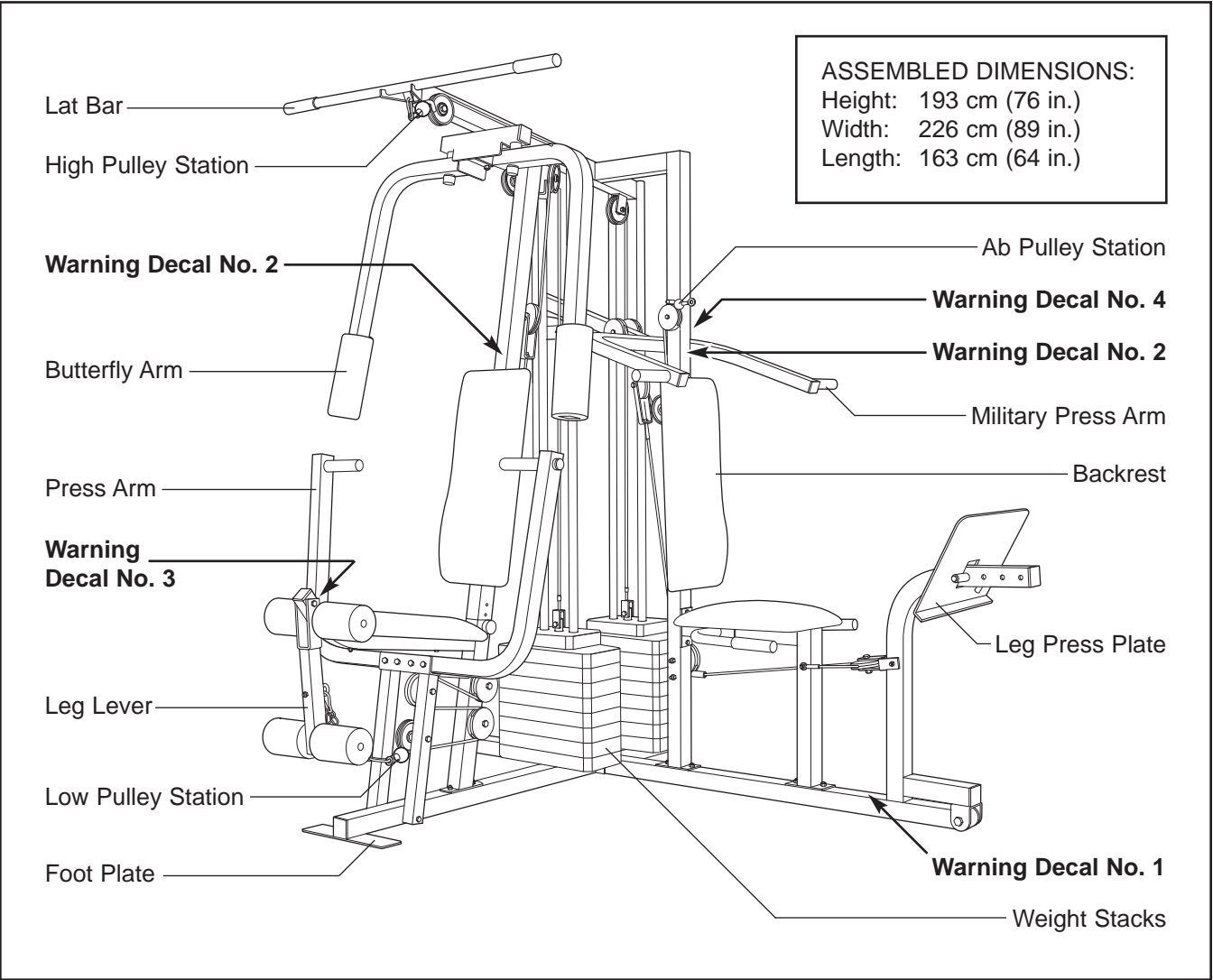
BEFORE YOU BEGIN

Thank you for selecting the versatile WEIDER® PRO 9450 weight system. The PRO 9450 weight system offers a selection of weight stations designed to develop every major muscle group of the body. Whether your goal is to tone your body, build dramatic muscle size and strength, or improve your cardiovascular system, the PRO 9450 weight system will help you to achieve the specific results you want.

For your benefit, read this manual carefully before using the weight system. If you have additional

questions, please call our Customer Service Department toll-free at **08457 089 009**. To help us assist you, please note the product model number and serial number before calling. The model number is WEEVSY39120. The serial number can be found on a decal attached to the weight system (see the front cover of this manual).

Before reading further, please review the drawing below and familiarise yourself with the parts that are labelled.




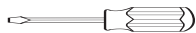


ASSEMBLY

Before beginning assembly, carefully read the following information and instructions:

- Due to the many features of the weight system, assembly will require several hours. By setting aside plenty of time and by deciding to make the task enjoyable, assembly will go smoothly. You may want to assemble the weight system over a couple of evenings.
- Assembly requires two people.
- Place all parts of the weight system in a cleared area and remove the packing materials; do not dispose of the packing materials until assembly is completed.
- Assembly is divided into four stages: 1) frame assembly, 2) arm assembly, 3) cable assembly, and 4) seat assembly. The hardware for each stage is packaged separately.
- Wait until you begin each assembly stage to open the parts bag labelled for that assembly stage.
- As you assemble the weight system, be sure that all parts are oriented as shown in the drawings.

- Tighten all parts as you assemble them, unless instructed to do otherwise.
- For help identifying the small parts used in assembly, **use the PART IDENTIFICATION CHART located in the centre of this manual.**
Note: Some small parts may have been pre-attached for shipping. If a part is not in the parts bag, check to see if it has been pre-attached.

THE FOLLOWING TOOLS (NOT INCLUDED) ARE REQUIRED FOR ASSEMBLY:

- **two adjustable wrenches** 
- **one standard screwdriver** 
- **one phillips screwdriver** 
- **one rubber mallet** 
- **lubricant, such as grease or petroleum jelly, and soapy water will also be needed.**
- Assembly will be more convenient if you have the following tools: A socket set, a set of open-end or closed-end wrenches, or a set of ratchet wrenches.

FRAME ASSEMBLY

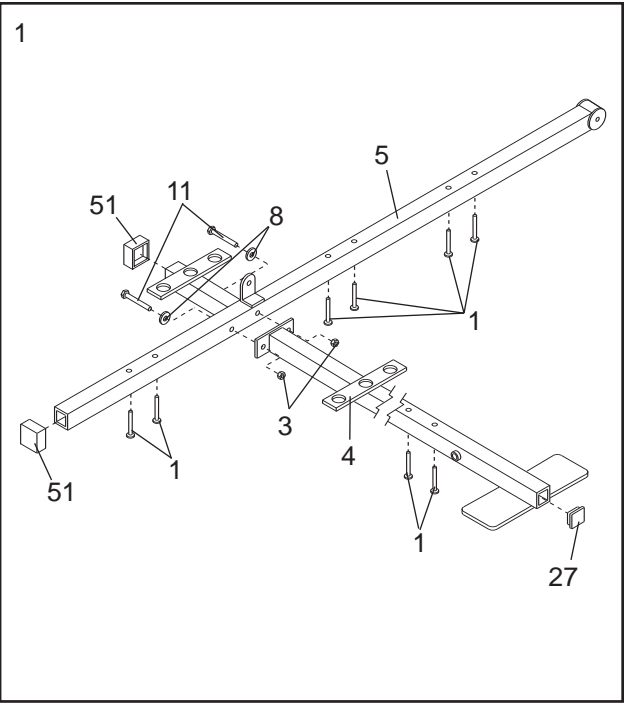
1. Before beginning, make sure that you have read and understand the information in the box above.

Locate and open the parts bag labelled “FRAME ASSEMBLY.”

Press two 2” Square Outer Caps (51) onto the Stabiliser (5) in the indicated locations. Press a 2” Square Inner Cap (27) into the end of the Base (4).

Insert six 5/16” x 2 1/2” Carriage Bolts (1) up through the Stabiliser (5). Insert two 5/16” x 2 1/2” Carriage Bolts up through the Base (4).

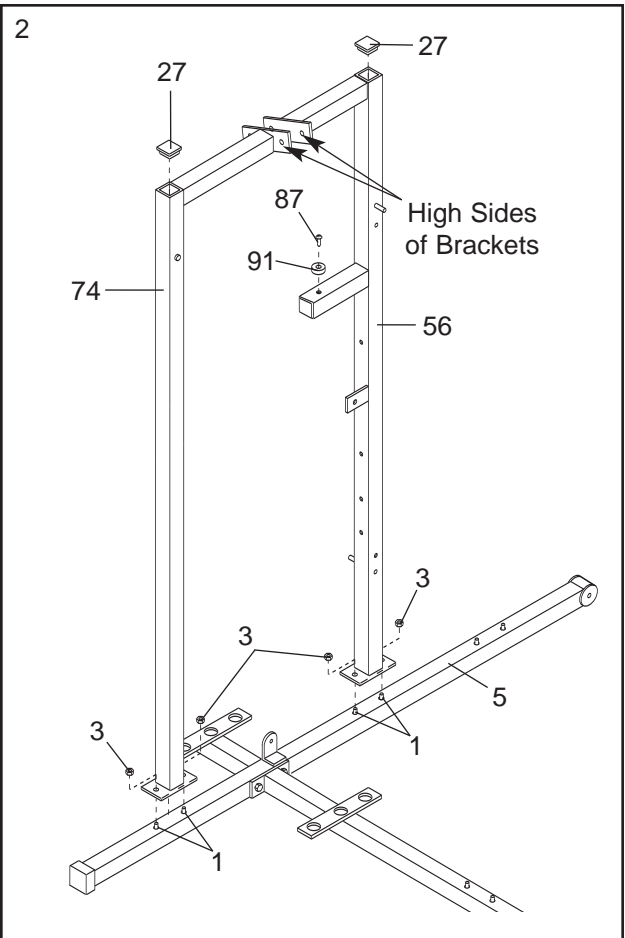
Attach the Base (4) to the Stabiliser (5) with two 5/16” x 2 3/4” Bolts (11), two 5/16” Washers (8), and two 5/16” Nylon Locknuts (3). **Do not tighten the Nylon Locknuts yet.**



- Slide the Rear Upright (74) and the Leg Press Upright (56) onto the indicated 5/16" x 2 1/2" Carriage Bolts (1) in the Stabiliser (5). **The high side of the brackets on the Rear Upright and Leg Press Upright should be on the side shown.** Hand tighten four 5/16" Nylon Locknuts (3) onto the Carriage Bolts. **Do not tighten the Nylon Locknuts yet.**

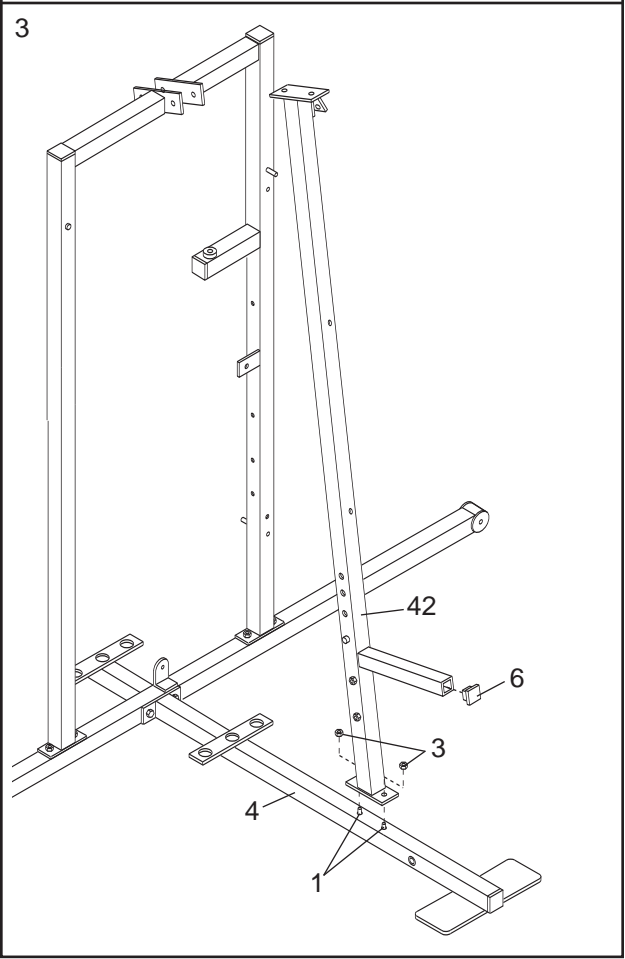
Press a 2" Square Inner Cap (27) into the Leg Press Upright (56). Press a 2" Square Inner Cap into the Rear Upright (74).

Attach the Rubber Bumper (91) to the Leg Press Upright (56) with the #8 x 1/2" Self-tapping Screw (87).



- Slide the Front Upright (42) onto the 5/16" x 2 1/2" Carriage Bolts (1) in the Base (4). Hand tighten a 5/16" Nylon Locknut (3) onto each Carriage Bolt. **Do not tighten the Nylon Locknuts yet.**

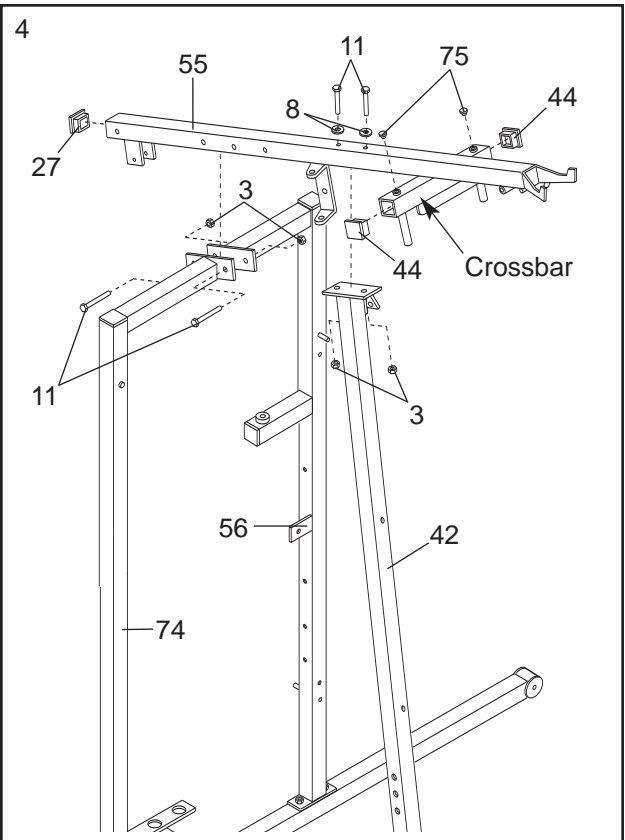
Press a 1" Square Inner Cap (6) into the Front Upright (42).



- Press a 2" Square Inner Cap (27) into the end of the Top Frame (55). Press a 1 3/4" Square Inner Cap (44) into each end of the crossbar on the Top Frame. Press two Round Inner Caps (75) into the top of the crossbar.

Attach the Top Frame (55) to the Rear Upright (74) and the Leg Press Upright (56) with two 5/16" x 2 3/4" Bolts (11) and two 5/16" Nylon Locknuts (3).

Attach the Top Frame (55) to the Front Upright (42) with two 5/16" x 2 3/4" Bolts (11), two 5/16" Washers (8), and two 5/16" Nylon Locknuts (3).

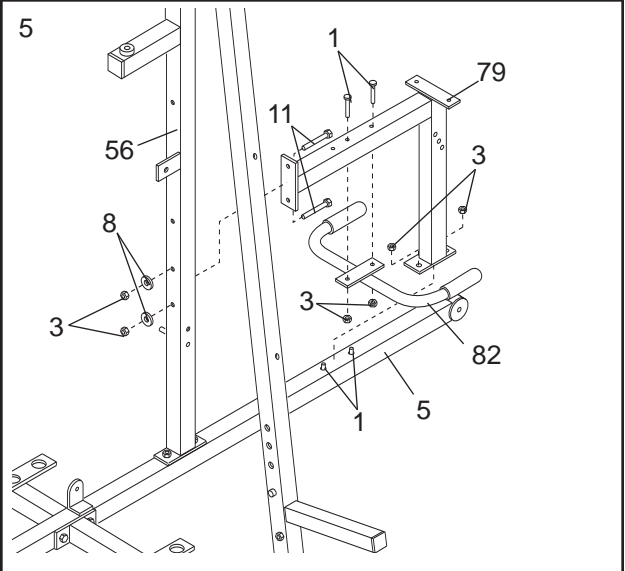


- Slide the Leg Press Seat Frame (79) onto the indicated 5/16" x 2 1/2" Carriage Bolts (1) in the Stabiliser (5). Hand tighten two 5/16" Nylon Locknuts (3) onto the Carriage Bolts.

Attach the other end of the Leg Press Seat Frame (79) to the Leg Press Upright (56) with two 5/16" x 2 3/4" Bolts (11), two 5/16" Washers (8), and two 5/16" Nylon Locknuts (3).

Attach the Handle (82) to the Leg Press Seat Frame (79) with two 5/16" x 2 1/2" Carriage Bolts (1) and two 5/16" Nylon Locknuts (3).

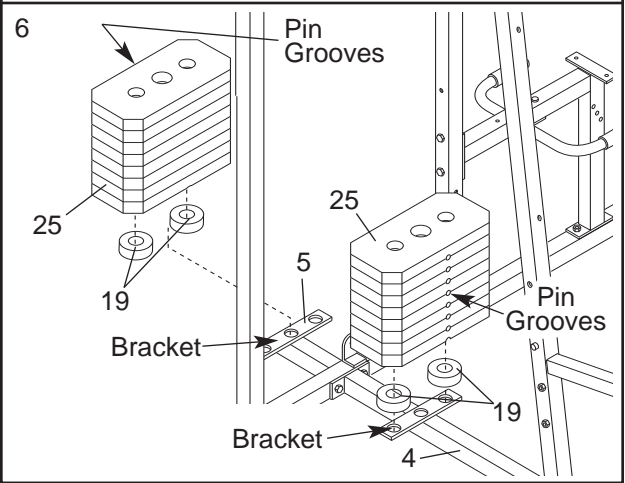
Tighten all 5/16" Nylon Locknuts (3) used in steps 1–5.



- Set two Weight Bumpers (19) on the bracket on the Base (4) as shown. Set two Weight Bumpers on the bracket on the Stabiliser (5).

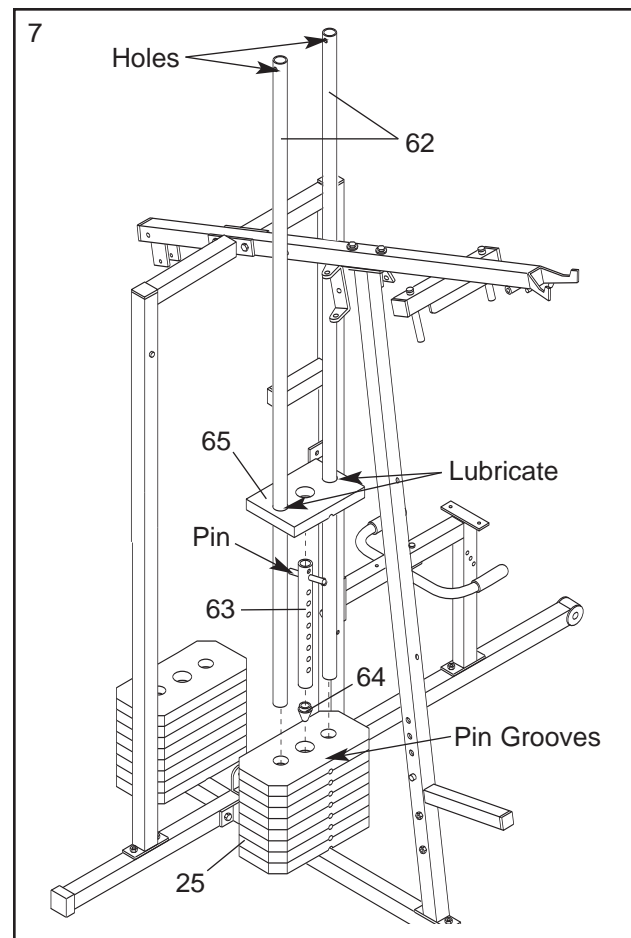
Stack eight Weights (25) onto each set of Weight Bumpers (19). **Be sure that the pin grooves are on the indicated side of each stack of Weights.**

Be careful not to tip either stack of Weights (25) until step 8 is complete.



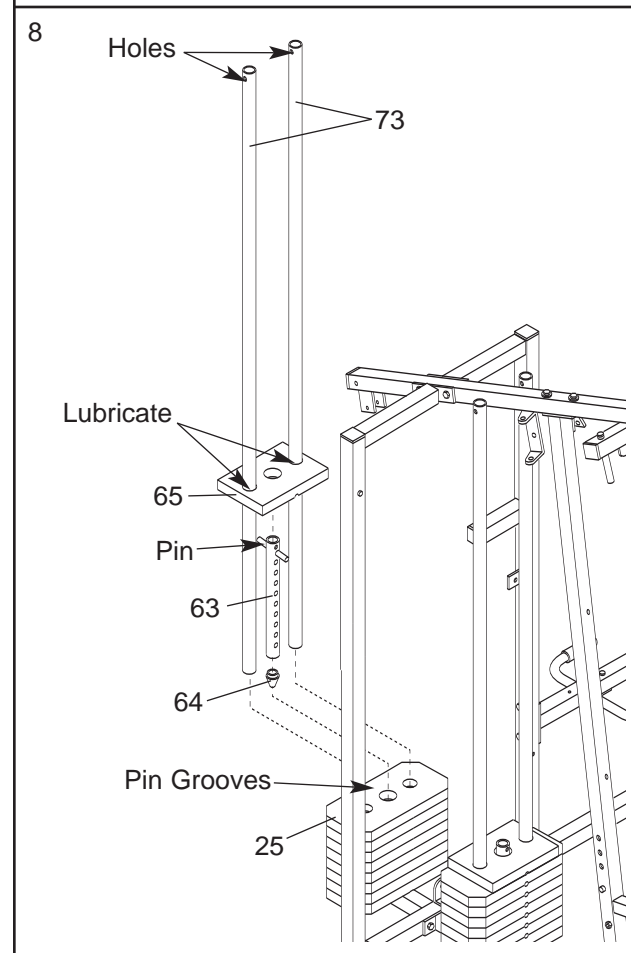
- Press a Weight Tube Bumper (64) into the end of a Weight Tube (63). Insert the Weight Tube into the front stack of Weights (25). **Be sure that the pin on the Weight Tube is sitting in the pin grooves in the top Weight.**

Lubricate the inside of the holes in the Top Weight (65). Set the Top Weight onto the front stack of Weights (25). Insert both Long Weight Guides (62) into the stack of Weights. **Be sure that the holes in the Weight Guides are at the top, as shown.**



8. Press a Weight Tube Bumper (64) into the end of the other Weight Tube (63). Insert the Weight Tube into the rear stack of Weights (25). **Be sure that the pin on the Weight Tube is sitting in the pin grooves in the top Weight.**

Lubricate the inside of the holes in the other Top Weight (65). Set the Top Weight onto the rear stack of Weights (25). Insert both Short Weight Guides (73) into the stack of Weights. **Be sure that the holes in the Weight Guides are at the top, as shown.**



- Attach the upper ends of the Short Weight Guides (73) to the Top Frame (55) with a 5/16" x 6" Bolt (60), two 1/2" x 3/4" Spacers (61), and a 5/16" Nylon Locknut (3).

Attach the upper ends of the Long Weight Guides (62) to the Top Frame (55) with a 5/16" x 6" Bolt (60), two 1/2" x 3/4" Spacers (61), and a 5/16" Nylon Locknut (3).

ARM ASSEMBLY

- Locate and open the parts bag labelled “ARM ASSEMBLY.”

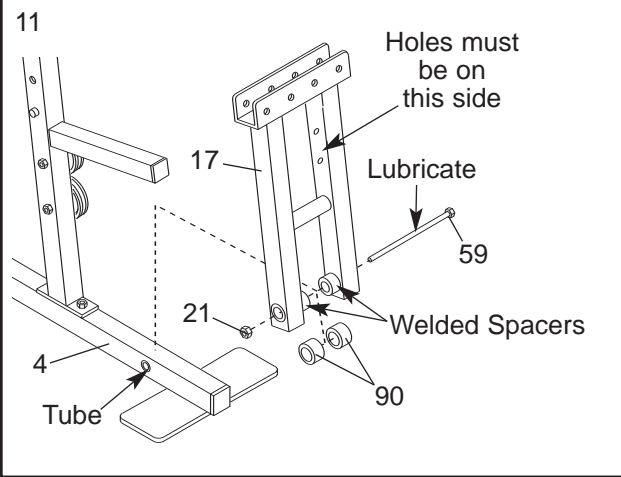
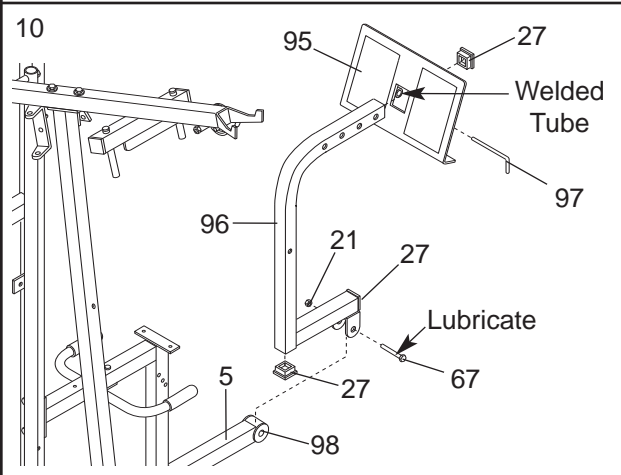
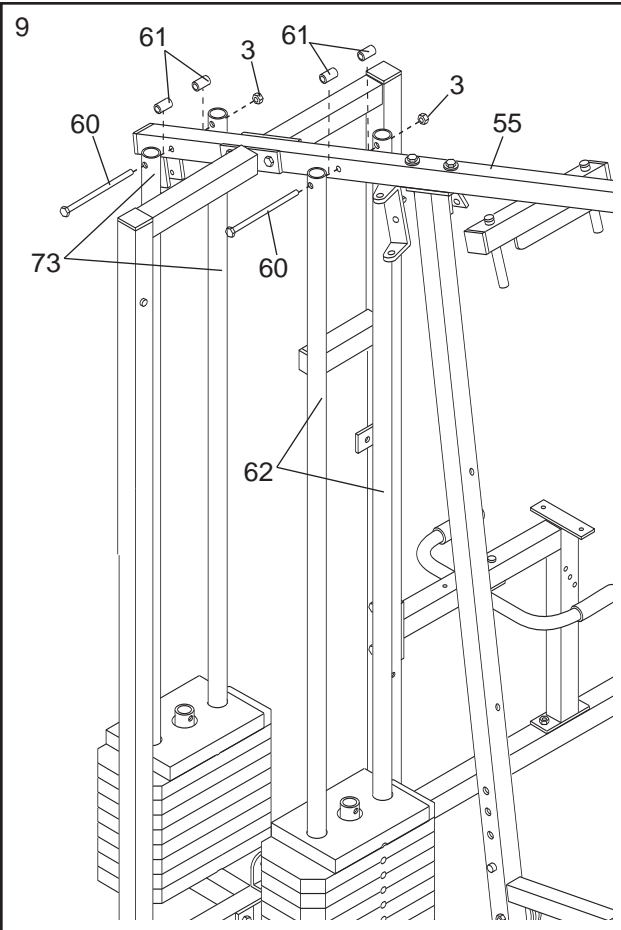
Be sure there is a Bushing (98) in each side of the Stabiliser (5). Press a 2" Square Inner Cap (27) into each end of the Leg Press Arm (96).

Lubricate a 3/8" x 3 1/4" Bolt (67). Attach the Leg Press Arm (96) to the Stabiliser (5) with the Bolt and a 3/8" Nylon Locknut (21). **Do not over tighten the Nylon Locknut; the Leg Press Arm must be able to pivot freely.**

Align the welded tubes on the Leg Press Plate (95) with one set of holes in the Leg Press Arm (96). Attach the Leg Press Plate to the Leg Press Arm with the Press Pin (97).

- Press a 1" x 7/8" Plastic Bushing (90) onto each welded spacer on the Press Frame (17). Slide the Press Frame into place onto the Base (4). **Note: This will be a tight fit. The Plastic Bushings should fit on each end of the indicated tube in the Base. Make sure that the indicated holes are on the side shown.**

Lubricate the 3/8" x 8" Bolt (59). Attach the Press Frame (17) to the Base (4) with the Bolt and a 3/8" Nylon Locknut (21).



12. Press a 1" Round Inner Cap (49) into one of the Press Arms (46). Press a 1 3/4" Square Inner Cap (44) into the Press Arm.

Attach the Press Arm (46) to one side of the Press Frame (17) with two 5/16" x 2 1/2" Bolts (22) and two 5/16" Nylon Locknuts (3).

Assemble the other Press Arm (46) in the same manner.

13. Identify the Right Arm (48) and the Left Arm (47). Note the position of the welded bracket on each Arm. **Arm identification is very important for step 14.**

Attach a "V"-Pulley (50) and a Long Cable Trap (31) to the Right Arm (48) with a 3/8" x 2 1/2" Bolt (86) and a 3/8" Nylon Locknut (21). **Do not tighten the Nylon Locknut yet.**

Attach a "V"-Pulley (50) and a Long Cable Trap (31) to the Left Arm (47) in the same manner.

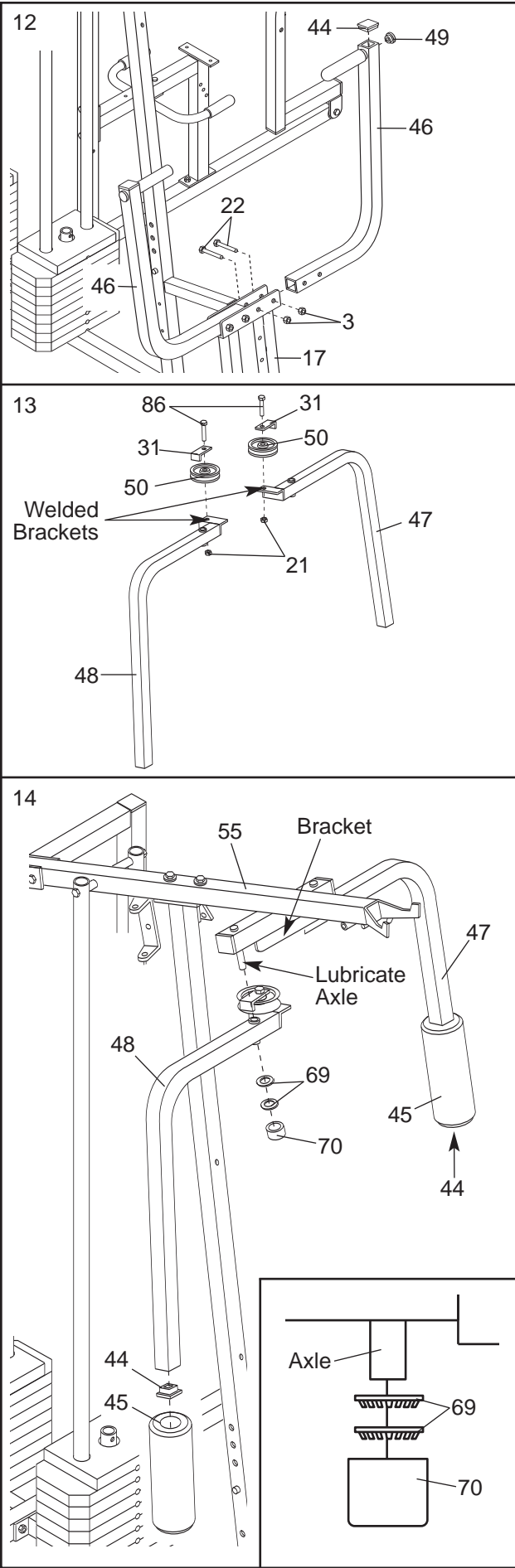
14. Lubricate both axles on the Top Frame (55).

Slide the Right Arm (48) onto the right axle on the Top Frame (55). **Note: Be careful not to confuse the Right Arm with the Left Arm (47); refer to step 13 to identify the Right Arm. Be sure that the upper end of the Right Arm is behind the indicated bracket on the Top Frame.**

See the inset drawing. Tap two 1" Retainers (69) and a 1" Round Cover Cap (70) onto the axle. **Be sure that the teeth on the Retainers bend toward the Round Cover Cap, as shown.**

Attach the Left Arm (47) in the same manner.

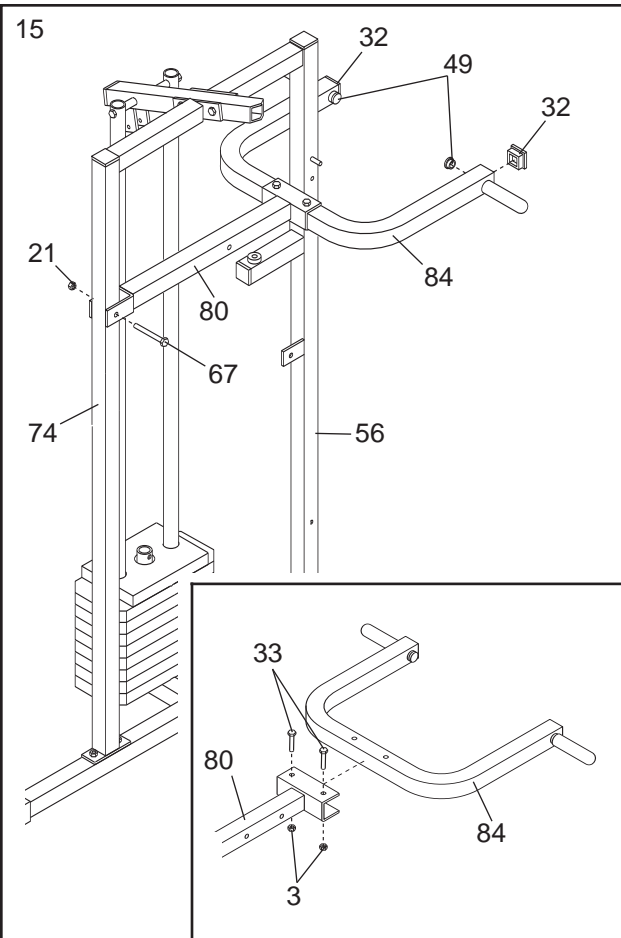
Press 1 3/4" Square Inner Caps (44) into the lower ends of the Right and Left Arms (47, 48). Wet the lower end of each Arm with soapy water. Slide a 10" Pad (45) onto the lower end of each Arm.



15. See the inset drawing. Attach the Military Press Arm (84) to the Pivot Arm (80) with two 5/16" x 2 1/4" Bolts (33) and two 5/16" Nylon Locknuts (3).

Press two 1 1/2" Square Inner Caps (32) into the indicated end of the Military Press Arm (84). Press two 1" Round Inner Caps (49) into the Military Press Arm.

Attach the Pivot Arm (80) to the Rear Upright (74) with a 3/8" x 3 1/4" Bolt (67) and a 3/8" Nylon Locknut (21).



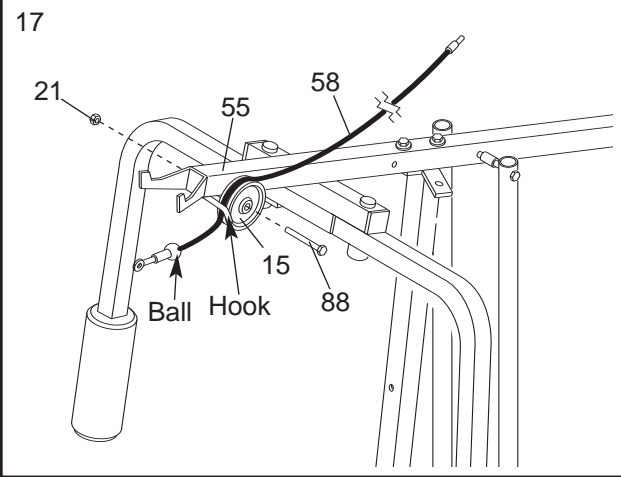
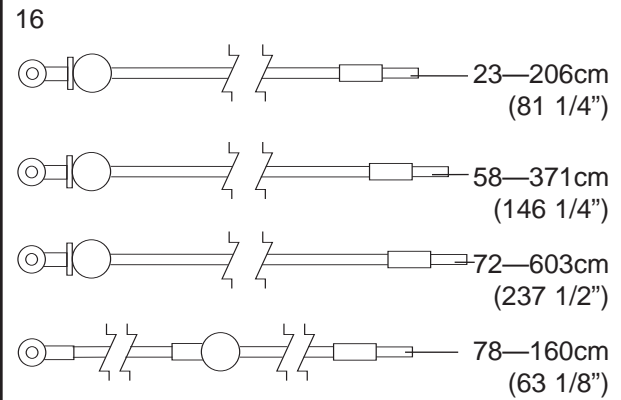
CABLE ASSEMBLY

16. **Locate and open the parts bags labelled “CABLE ASSEMBLY” and “PULLEYS.”**

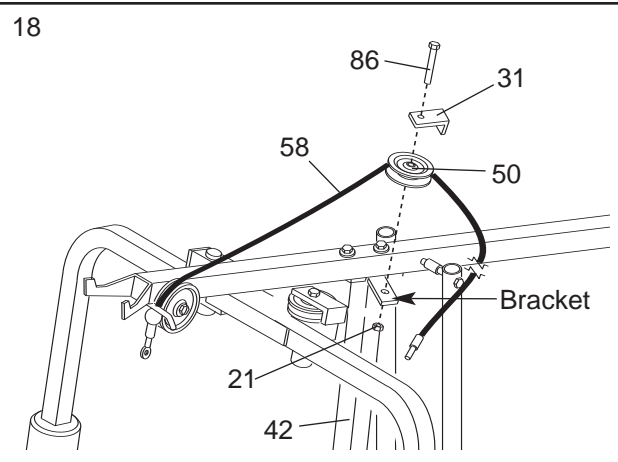
During steps 16 through 36, refer to the CABLE DIAGRAMS on pages 25 and 26 of this manual to verify proper cable routing. Before beginning this section, fully unwind the four Cables. Identify the four Cables by comparing the lengths and ends of the Cables. The approximate length of each Cable is listed (in inches) after the key number in the drawing.

IMPORTANT: Whilst assembling the cables, do not over tighten the bolts and nuts attaching the pulleys; the pulleys must be able to turn freely.

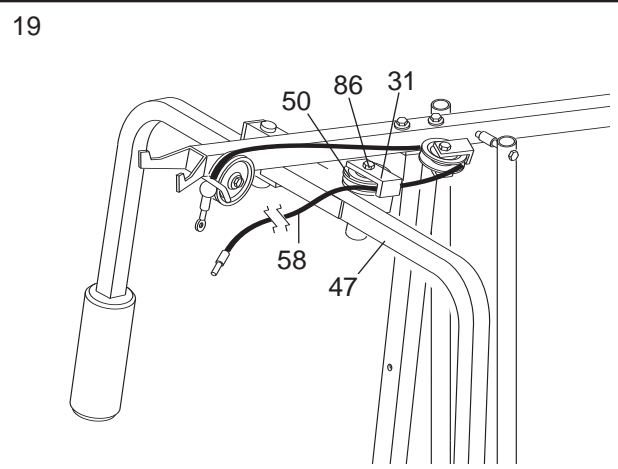
17. **Locate the High Cable (58).** Wrap the High Cable around a 3 1/2" Pulley (15). Attach the Pulley to the Top Frame (55) with a 3/8" x 3 3/4" Bolt (88) and a 3/8" Nylon Locknut (21). **Be sure that the end of the Cable with the ball is on the indicated side of the Pulley and that the Cable is between the Pulley and the hook.**



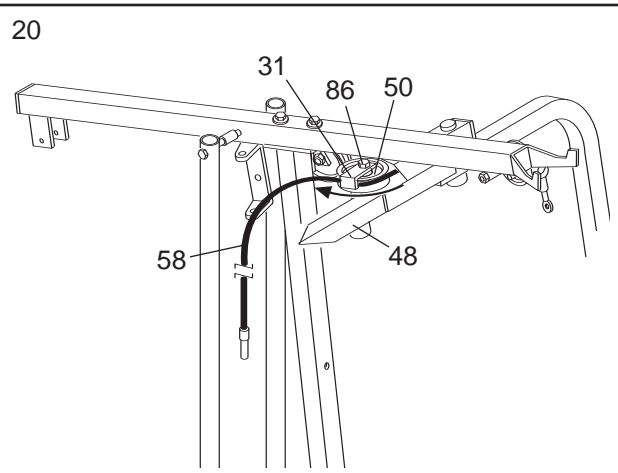
18. Wrap the High Cable (58) around a “V”-Pulley (50). Attach the “V”-Pulley and a Long Cable Trap (31) to the indicated bracket on the Front Upright (42) with a 3/8” x 2 1/2” Bolt (86) and a 3/8” Nylon Locknut (21). **Be sure that the Long Cable Trap is positioned to hold the Cable in place.**



19. Route the High Cable (58) around the “V”-Pulley (50) on the Left Arm (47). **Be sure that the Cable is in the groove of the Pulley and that the Long Cable Trap (31) is positioned to hold the Cable in place.** Tighten the 3/8” x 2 1/2” Bolt (86) and the 3/8” Nylon Locknut (not shown).

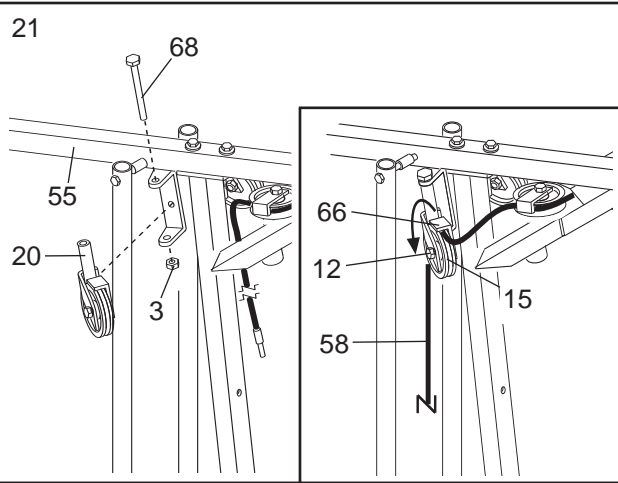


20. Route the High Cable (58) around the “V”-Pulley (50) on the Right Arm (48). **Be sure that the Cable is in the groove of the Pulley and that the Long Cable Trap (31) is turned to hold the Cable in place.** Tighten the 3/8” x 2 1/2” Bolt (86) and the 3/8” Nylon Locknut (not shown).

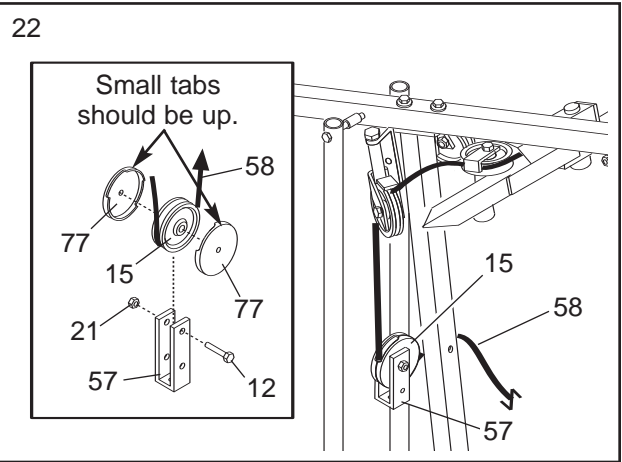


21. Attach the Pulley Bracket (20) to the Top Frame (55) with the 5/16” x 5” Bolt (68) and a 5/16” Nylon Locknut (3). **Do not over tighten the Nylon Locknut; the Pulley Bracket must be able to move freely.**

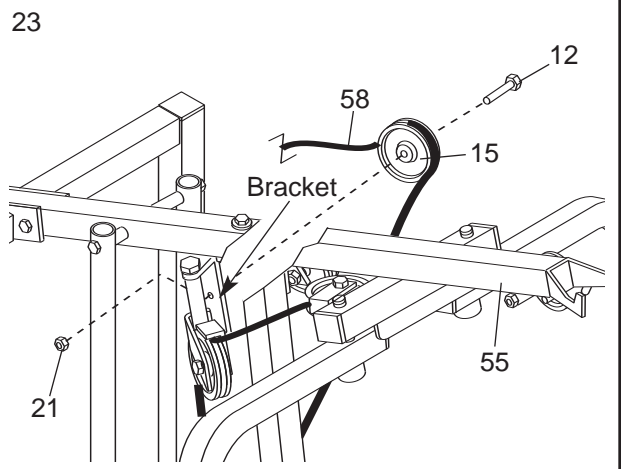
See the inset drawing. Route the High Cable (58) around the 3 1/2” Pulley (15) attached to the Pulley Bracket (20). Tighten the 3/8” x 2” Bolt (12) and the 3/8” Nylon Locknut (not shown). **Be sure that the Cable is in the groove of the Pulley and that the Cable Trap (66) is turned to hold the Cable in place.**



22. See the inset drawing. Wrap the High Cable (58) around a 3 1/2" Pulley (15). Attach the Pulley and a set of Pulley Covers (77) to the upper hole in a Long "U"-Bracket (57) with a 3/8" x 2" Bolt (12) and a 3/8" Nylon Locknut (21). **Note: This may be pre-assembled. Be sure that the small tabs on the Pulley Covers are in the position shown and that the Cable and Pulley move smoothly.**

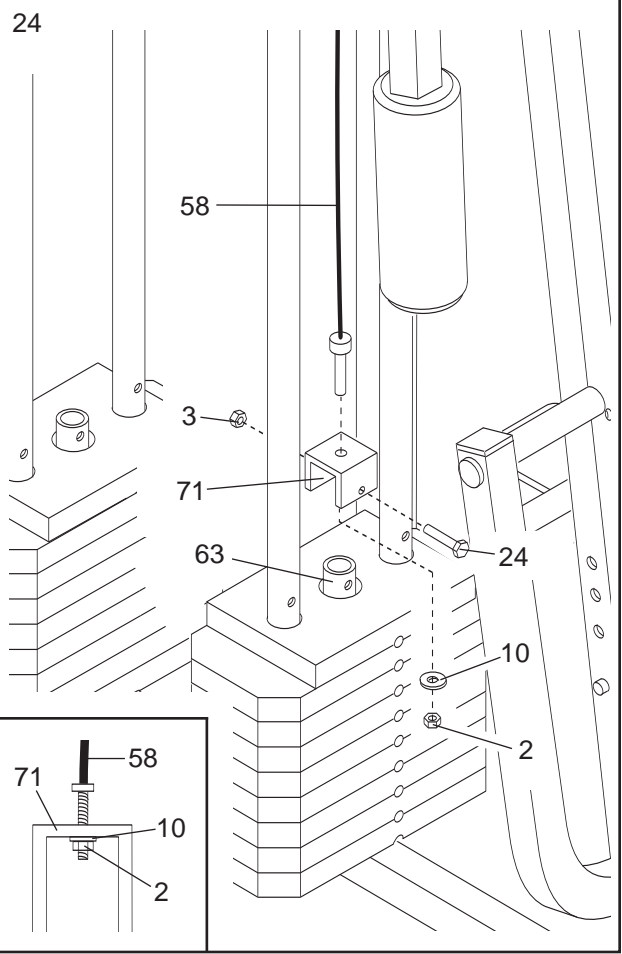


23. Wrap the High Cable (58) around a 3 1/2" Pulley (15). Attach the Pulley to the bracket on the Top Frame (55) with a 3/8" x 2" Bolt (12) and a 3/8" Nylon Locknut (21). **Be sure that the Cable is in the groove of the Pulley and that the Cable and Pulley move smoothly.**



24. Attach the High Cable (58) to a Small "U"-Bracket (71) with a 1/4" Nylon Locknut (2) and a 1/4" Washer (10). **Do not completely tighten the Nylon Locknut. It should be threaded onto the end of the Cable only a couple of turns, as shown in the inset drawing.**

Attach the Small "U"-Bracket (71) to the indicated Weight Tube (63) with a 5/16" x 1 3/4" Bolt (24) and a 5/16" Nylon Locknut (3).



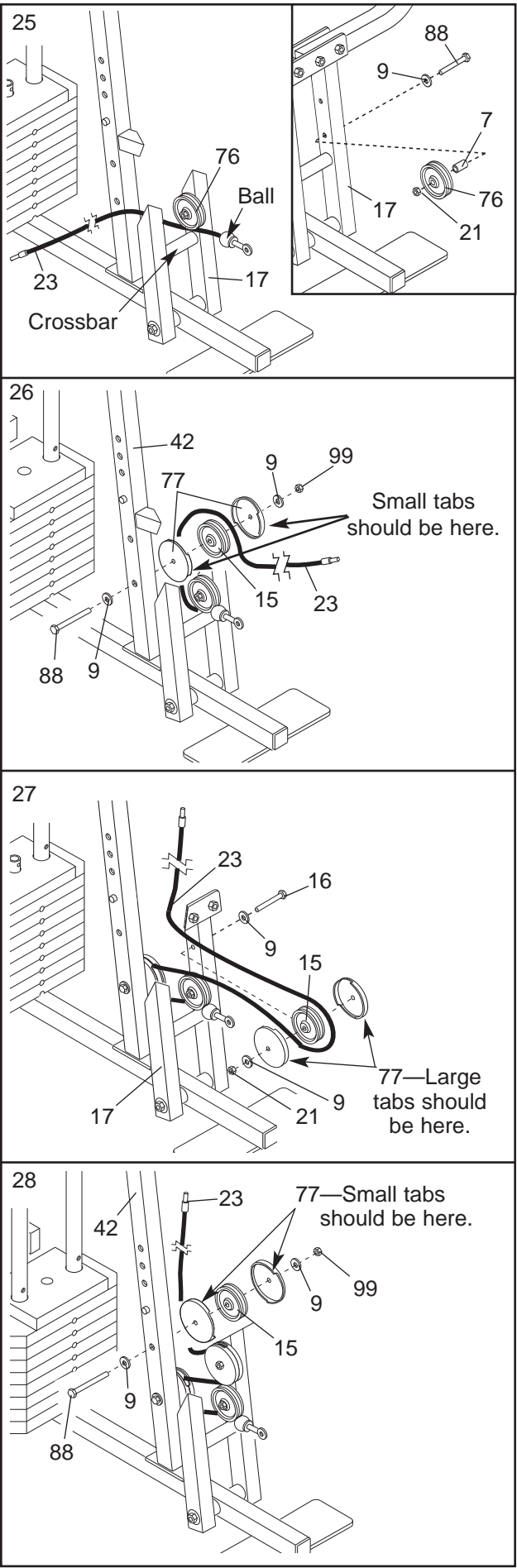
25. Attach the Pulley and the 5/8" x 9/16" Spacer (7) to the Press Frame (17) with a 3/8" x 3 3/4" Bolt (88), 3/8" Washer (9), and a 3/8" Nylon Locknut (21). **Be sure that the parts are oriented as shown in the drawing.**

Locate the Low Cable (23) and the bag labelled "LOW PULLEY." Route the Low Cable under the 3 1/2" Low Pulley (76). **Be sure that the end of the Cable with the ball is on the indicated side of the Press Frame, between the Pulley and the crossbar.**

26. Route the Low Cable (23) around a 3 1/2" Pulley (15). Attach the Pulley, a set of Pulley Covers (77), and two 3/8" Washers (9) to the lower hole in the Front Upright (42) with a 3/8" Nylon Jam Nut (99) and a 3/8" x 3 3/4" Bolt (88). **Be sure the small tabs on the Pulley Covers are in the indicated position.**

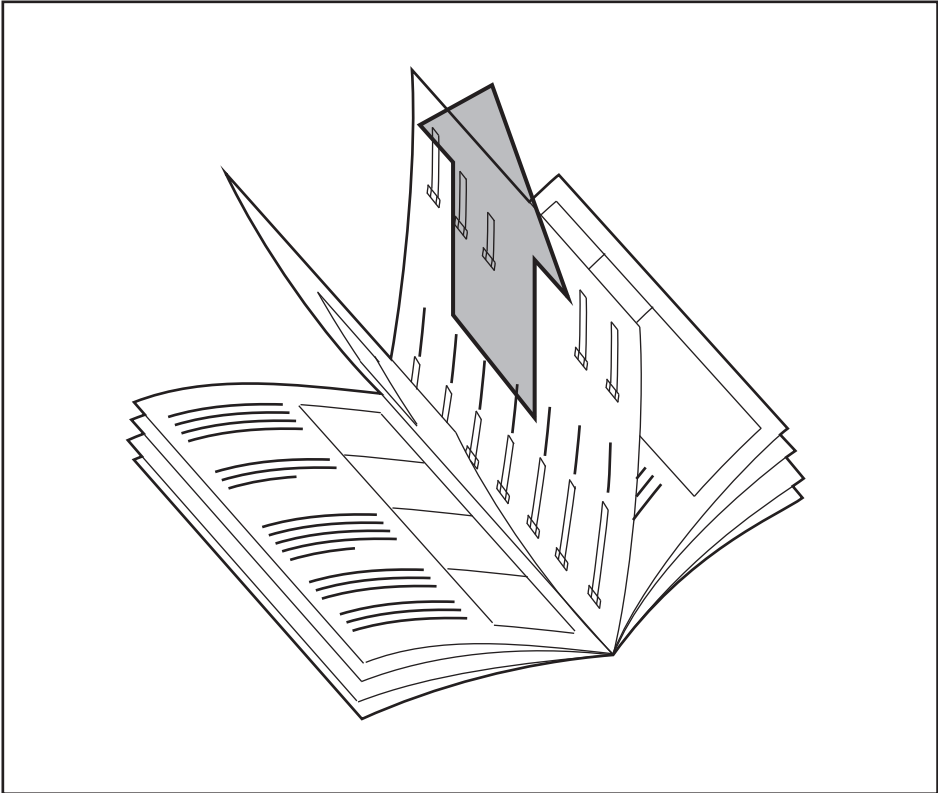
27. Route the Low Cable (23) around a 3 1/2" Pulley (15). Attach the Pulley, a set of Pulley Covers (77), and two 3/8" Washers (9) to the upper hole in the Press Frame (17) with a 3/8" Nylon Locknut (21) and a 3/8" x 3 1/2" Bolt (16). **Be sure that the large tabs on the Pulley Covers are in the position shown.**

28. Route the Low Cable (23) around another 3 1/2" Pulley (15). Attach the Pulley, a set of Pulley Covers (77), and two 3/8" Washers (9) to the upper hole in the Front Upright (42) with a 3/8" Nylon Jam Nut (99) and a 3/8" x 3 3/4" Bolt (88). **Be sure the small tabs on the Pulley Covers are in the indicated position.**



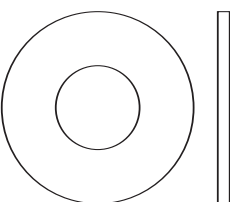
REMOVE THIS PART IDENTIFICATION CHART FROM THE MANUAL. SAVE THIS PART IDENTIFICATION CHART FOR FUTURE REFERENCE.

This chart is provided to help you identify the small parts used in assembly. The number in parenthesis below each part refers to the key number of the part from the PART LIST in the centre of this manual. **Important:** Some parts may have been pre-assembled for shipping purposes. If you cannot find a part in the parts bags, check to see if it has been pre-assembled.

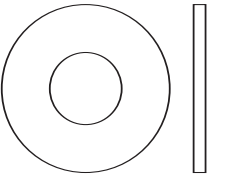


Note: The assembly process is divided into four stages: 1) frame assembly, 2) arm assembly, 3) cable assembly, 4) seat assembly. The hardware for each stage is packaged separately. **WAIT UNTIL YOU BEGIN EACH ASSEMBLY STAGE TO OPEN THE PARTS BAG LABELLED FOR THAT ASSEMBLY STAGE.**

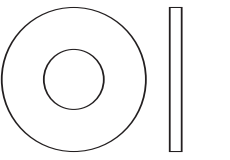
PART IDENTIFICATION CHART—Model No. WEEVSY39120 R1202A



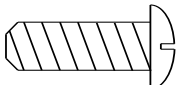
3/8" Washer (9)



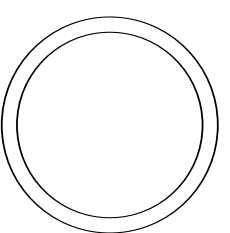
5/16" Washer (8)



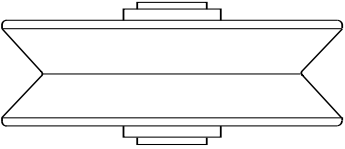
1/4" Washer (10)



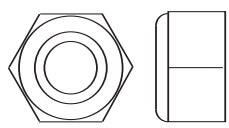
1/4" x 3/4" Screw (18)



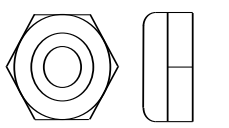
1 1/8" x 2 1/2" Plastic Bushing (89)



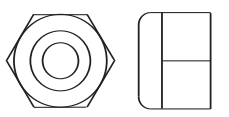
"V"-Pulley (50)
(Not shown to scale)



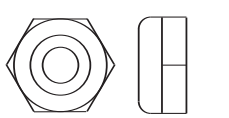
3/8" Nylon Lock Nut (21)



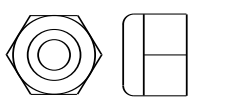
3/8" Nylon Jam Nut (99)



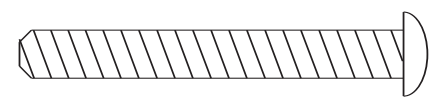
5/16" Nylon Locknut (3)



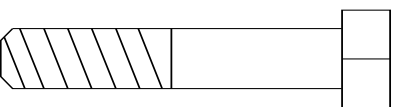
5/16" Nylon Jam Nut (93)



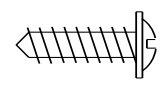
1/4" Nylon Locknut (2)



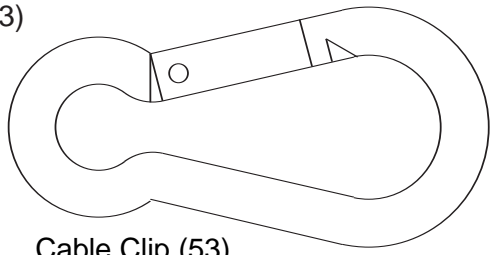
1/4" x 2" Machine Screw (81)



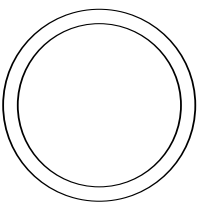
5/16" x 1 3/4" Bolt (24)



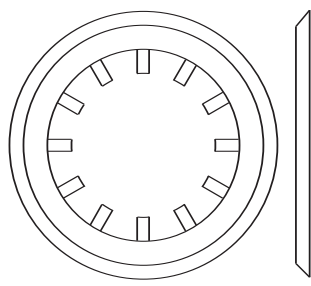
#8 x 1/2" Self-tapping Screw (87)



Cable Clip (53)



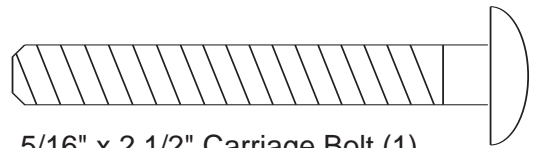
1" x 7/8" Plastic Bushing (90)



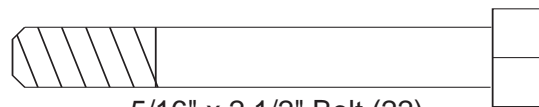
1" Retainer (69)



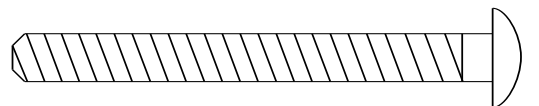
3/8" x 8" Bolt (59)



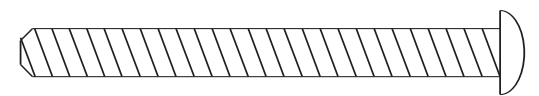
5/16" x 2 1/2" Carriage Bolt (1)



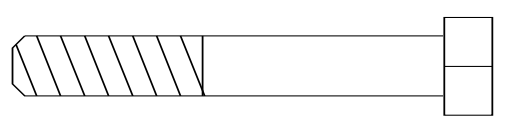
5/16" x 2 1/2" Bolt (22)



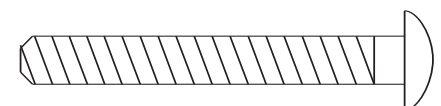
1/4" x 2 1/2" Carriage Bolt (92)



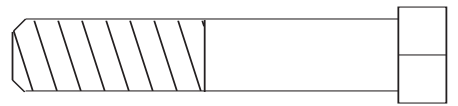
1/4" x 2 1/2" Screw (43)



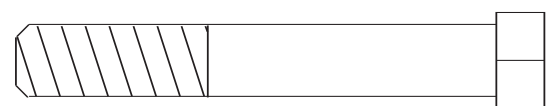
5/16" x 2 1/4" Bolt (33)



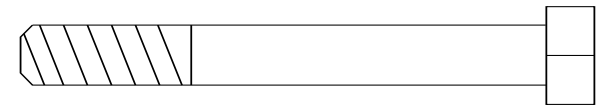
1/4" x 2" Carriage Bolt (38)



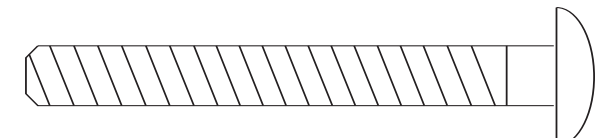
3/8" x 2" Bolt (12)



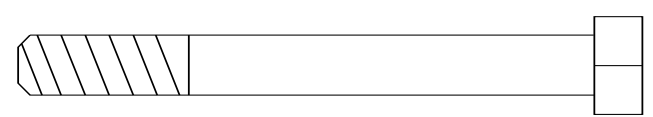
3/8" x 2 1/2" Bolt (86)



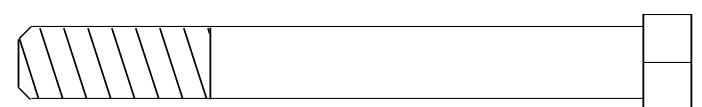
5/16" x 2 3/4" Bolt (11)



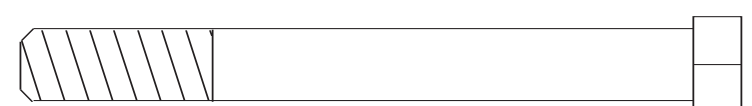
5/16" x 2 3/4" Carriage Bolt (14)



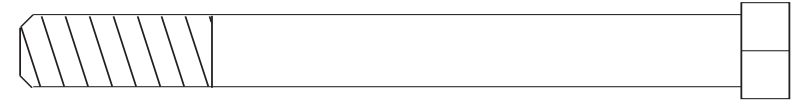
3/8" x 3" Bolt (100)



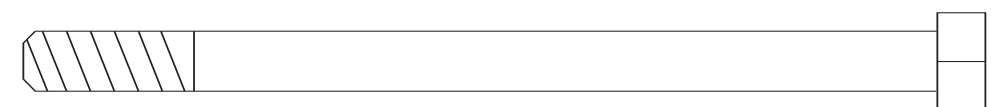
3/8" x 3 1/4" Bolt (67)



3/8" x 3 1/2" Bolt (16)



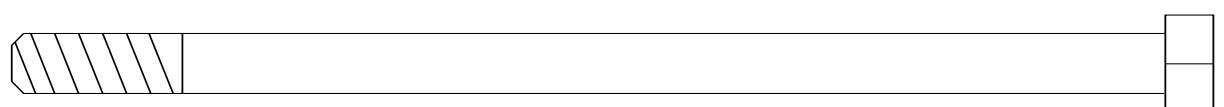
3/8" x 3 3/4" Bolt (88)



5/16" x 5" Bolt (68)



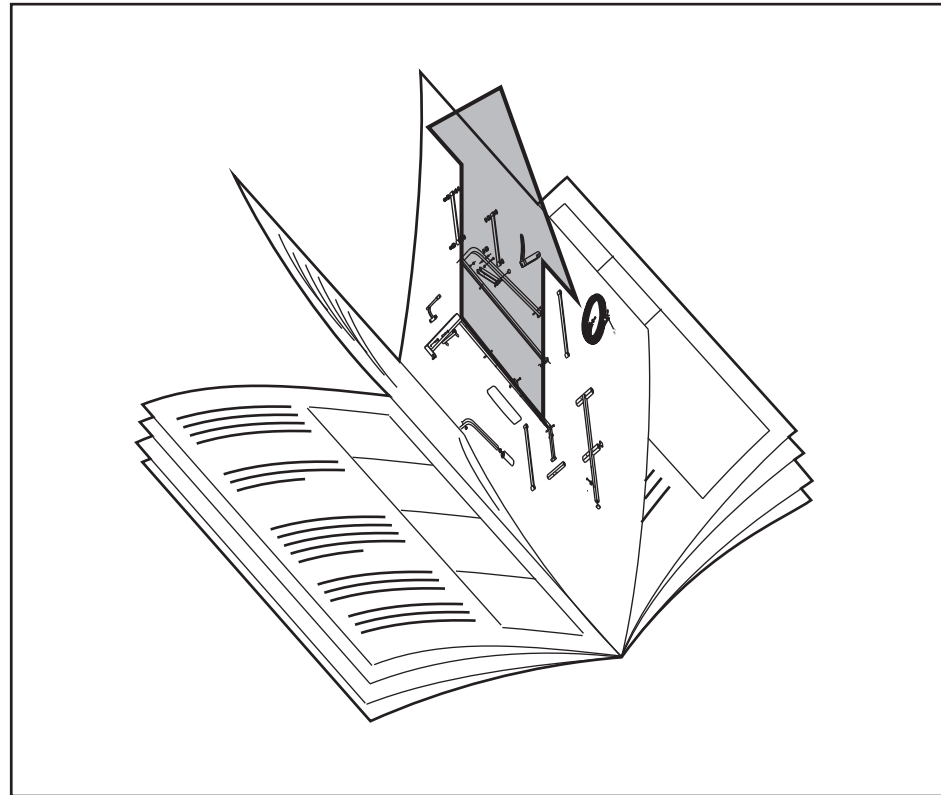
3/8" x 5 1/4" Bolt (101)



5/16" x 6" Bolt (60)

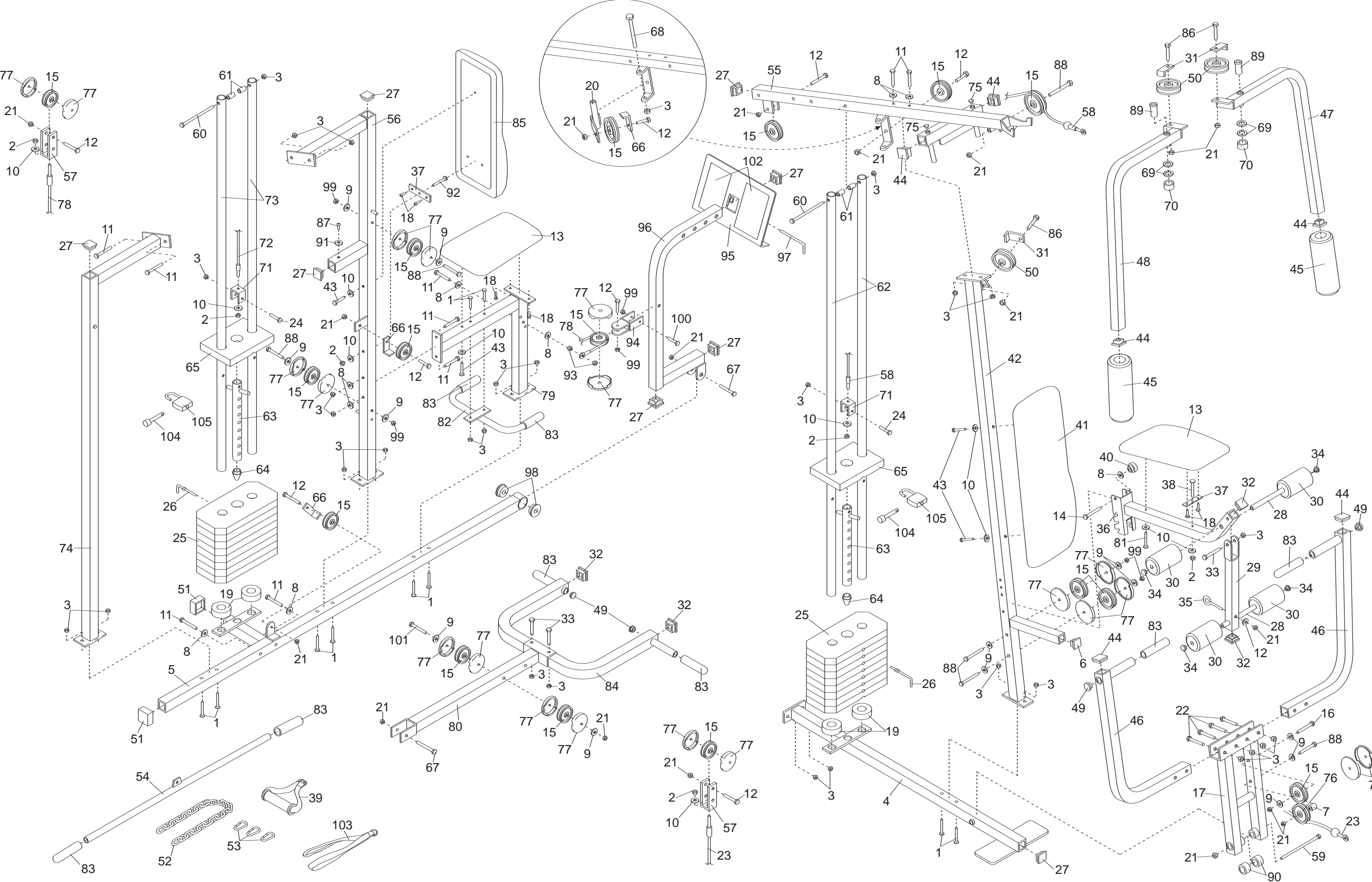
**REMOVE THIS PART LIST/EXPLODED DRAWING
FROM THE MANUAL.**

SAVE THIS PART LIST/EXPLODED DRAWING FOR FUTURE REFERENCE



Note: Specifications are subject to change without notice.

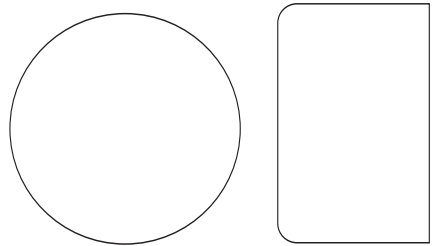
EXPLODED DRAWING—Model No. WEEVSY39120 R1202A



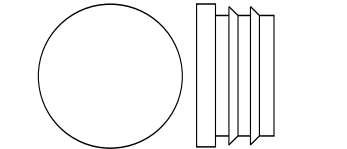
PART LIST—Model No. WEEVSY39120

R1202A

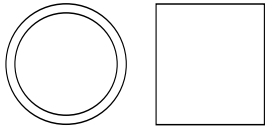
Key No.	Qty.	Description			
			55	1	Top Frame
			56	1	Leg Press Upright
1	10	5/16" x 2 1/2" Carriage Bolt	57	2	Long "U"-Bracket
2	6	1/4" Nylon Locknut	58	1	High Cable
3	31	5/16" Nylon Locknut	59	1	3/8" x 8" Bolt
4	1	Base	60	2	5/16" x 6" Bolt
5	1	Stabiliser	61	4	1/2" x 3/4" Spacer
6	1	1" Square Inner Cap	62	2	Long Weight Guide
7	1	5/8" x 9/16" Spacer	63	2	Weight Tube
8	10	5/16" Washer	64	2	Weight Tube Bumper
9	12	3/8" Washer	65	2	Top Weight
10	11	1/4" Washer	66	3	Cable Trap
11	9	5/16" x 2 3/4" Bolt	67	2	3/8" x 3 1/4" Bolt
12	9	3/8" x 2" Bolt	68	1	5/16" x 5" Bolt
13	2	Seat	69	4	1" Retainer
14	1	5/16" x 2 3/4" Carriage Bolt	70	2	1" Round Cover Cap
15	16	3 1/2" Pulley	71	2	Small "U"-Bracket
16	1	3/8" x 3 1/2" Bolt	72	1	Military Press Cable
17	1	Press Frame	73	2	Short Weight Guide
18	6	1/4" x 3/4" Screw	74	1	Rear Upright
19	4	Weight Bumper	75	2	Round Inner Cap
20	1	Pulley Bracket	76	1	3 1/2" Low Pulley
21	17	3/8" Nylon Locknut	77	20	Pulley Cover
22	4	5/16" x 2 1/2" Bolt	78	1	Leg Press Cable
23	1	Low Cable	79	1	Leg Press Seat Frame
24	2	5/16" x 1 3/4" Bolt	80	1	Pivot Arm
25	16	Weight	81	1	1/4" x 2" Machine Screw
26	2	Weight Pin	82	1	Handle
27	8	2" Square Inner Cap	83	8	5" Plastic Grip
28	2	Pad Tube	84	1	Military Press Arm
29	1	Leg Lever	85	1	Leg Press Backrest
30	4	Foam Pad	86	3	3/8" x 2 1/2" Bolt
31	3	Long Cable Trap	87	1	#8 x 1/2" Self-tapping Screw
32	4	1 1/2" Square Inner Cap	88	6	3/8" x 3 3/4" Bolt
33	3	5/16" x 2 1/4" Bolt	89	2	1 1/8" x 2 1/2" Plastic Bushing
34	4	3/4" Round Inner Cap	90	2	1" x 7/8" Plastic Bushing
35	1	3/8" x 2" Eyebolt	91	1	Rubber Bumper
36	1	Front Seat Frame	92	1	1/4" x 2 1/2" Carriage Bolt
37	2	Seat Plate	93	2	5/16" Nylon Jam Nut
38	1	1/4" x 2" Carriage Bolt	94	1	Press Bracket
39	1	Nylon Strap	95	1	Leg Press Plate
40	1	Seat Knob	96	1	Leg Press Arm
41	1	Front Backrest	97	1	Press Pin
42	1	Front Upright	98	2	Bushing
43	4	1/4" x 2 1/2" Screw	99	6	3/8" Nylon Jam Nut
44	6	1 3/4" Square Inner Cap	100	1	3/8" x 3" Bolt
45	2	10" Pad	101	1	3/8" x 5 1/4" Bolt
46	2	Press Arm	102	2	Grip Pad
47	1	Left Arm	103	1	Ab Strap
48	1	Right Arm	104	2	Locking Pin
49	4	1" Round Inner Cap	105	2	Lock
50	3	"V"-Pulley	*	1	User's Manual
51	2	2" Square Outer Cap	*	1	Exercise Guide
52	1	Chain	*These parts are not shown on the EXPLODED DRAWING.		
53	3	Cable Clip			
54	1	Lat Bar			



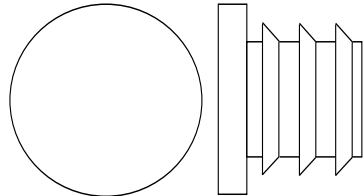
1" Round Cover Cap (70)



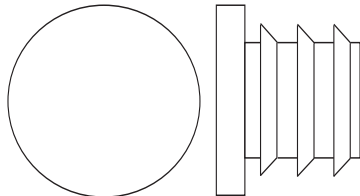
3/4" Round Inner Cap (34)



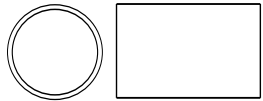
5/8" x 9/16" Spacer (7)



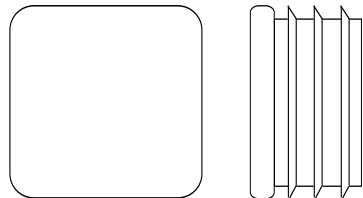
Round Inner Cap (75)



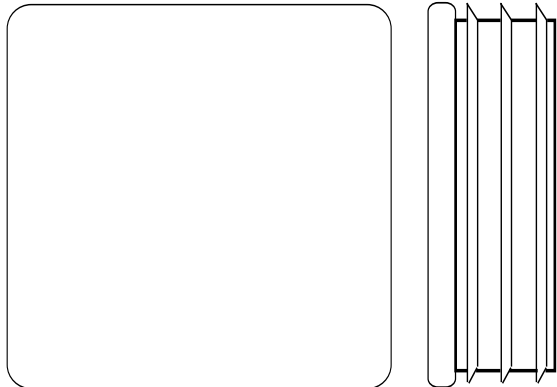
1" Round Inner Cap (49)



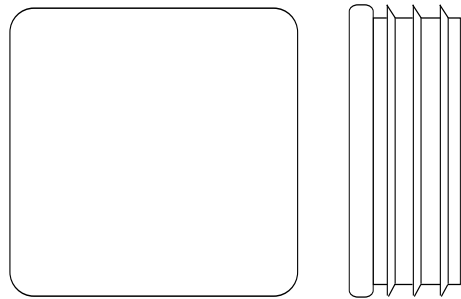
1/2" x 3/4" Spacer (61)



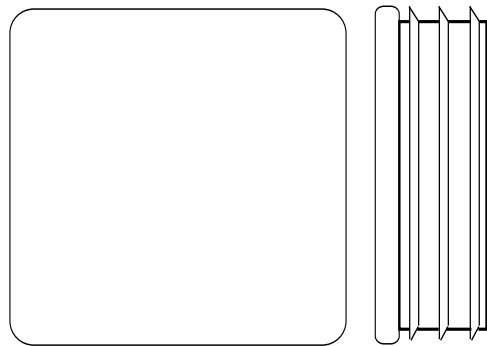
1" Square Inner Cap (6)



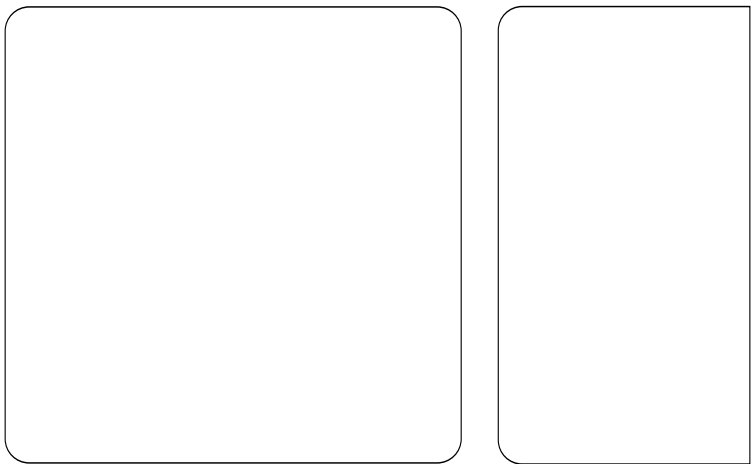
2" Square Inner Cap (27)



1 1/2" Square Inner Cap (32)



1 3/4" Square Inner Cap (44)



2" Square Outer Cap (51)

29. Attach the end of the Low Cable (23) to the Long “U”-Bracket (57) with a 1/4” Nylon Locknut (2) and a 1/4” Washer (10). **Do not completely tighten the Nylon Locknut. It should be threaded onto the end of the Cable so only a couple of threads are showing above the Nylon Locknut, as shown in the inset drawing.**

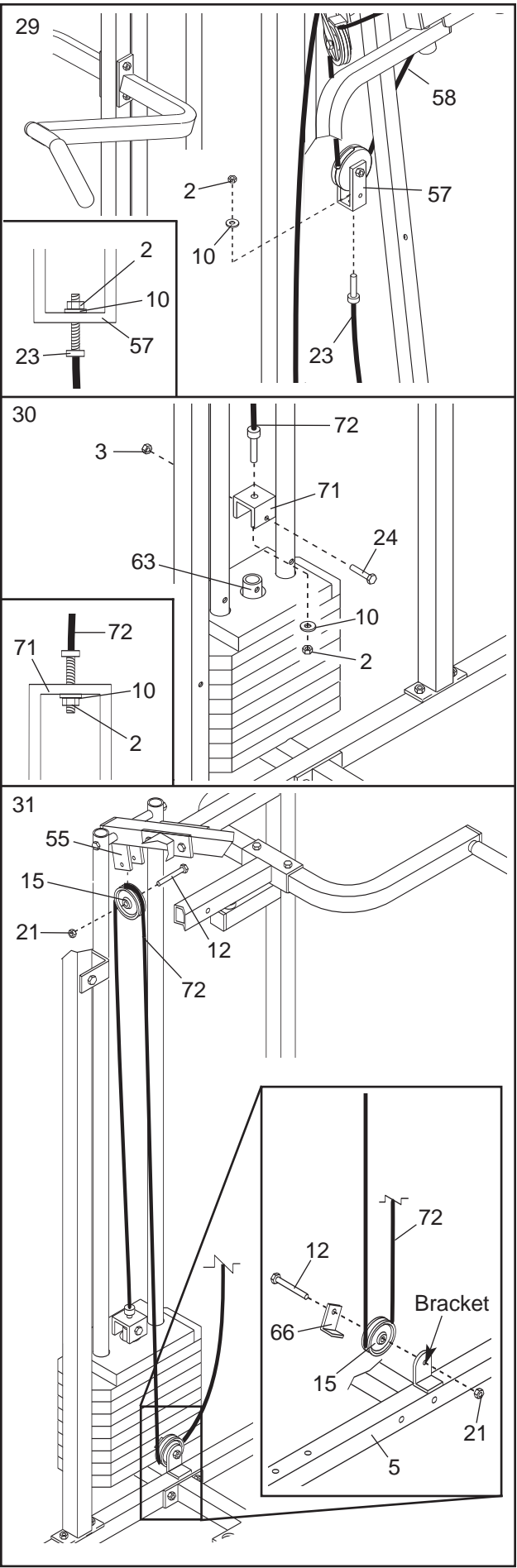
You may need to lift the Top Weight (not shown) on the High Cable (58) to get enough slack to attach the Low Cable (23) to the Long “U”-Bracket (57).

30. **Locate the Military Press Cable (72).** Attach the Military Press Cable to the other Small “U”-Bracket (71) with a 1/4” Nylon Locknut (2) and a 1/4” Washer (10). **Do not completely tighten the Nylon Locknut; it should be threaded onto the end of the Cable only a couple of turns, as shown in the inset drawing.**

Attach the Small “U”-Bracket (71) to the indicated Weight Tube (63) with a 5/16” x 1 3/4” Bolt (24) and a 5/16” Nylon Locknut (3).

31. Wrap the Military Press Cable (72) around a 3 1/2” Pulley (15). Attach the Pulley to the Top Frame (55) with a 3/8” x 2” Bolt (12) and a 3/8” Nylon Locknut (21).

See the inset drawing. Wrap the Military Press Cable (72) around a 3 1/2” Pulley (15). Attach the Pulley and a Cable Trap (66) to the bracket on the Stabiliser (5) with a 3/8” x 2” Bolt (12) and a 3/8” Nylon Locknut (21). **Be sure that the Cable Trap is turned to hold the Cable in place.**



32. Wrap the Military Press Cable (72) around a 3 1/2" Pulley (15). Attach the Pulley and a pair of Pulley Covers (77) to the Pivot Arm (80) with the 3/8" Washer (9) and the 3/8" x 5 1/4" Bolt (101). **Be sure the Washer and Bolt are on the side shown, and that the large tabs on the Pulley Covers are on top. Do not attach a Locknut yet.**

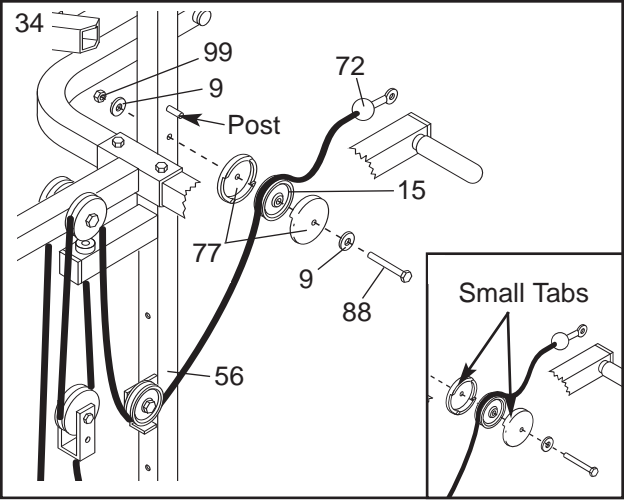
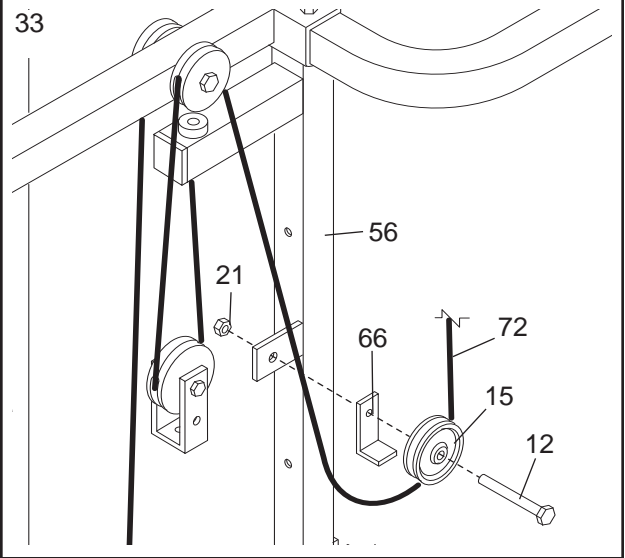
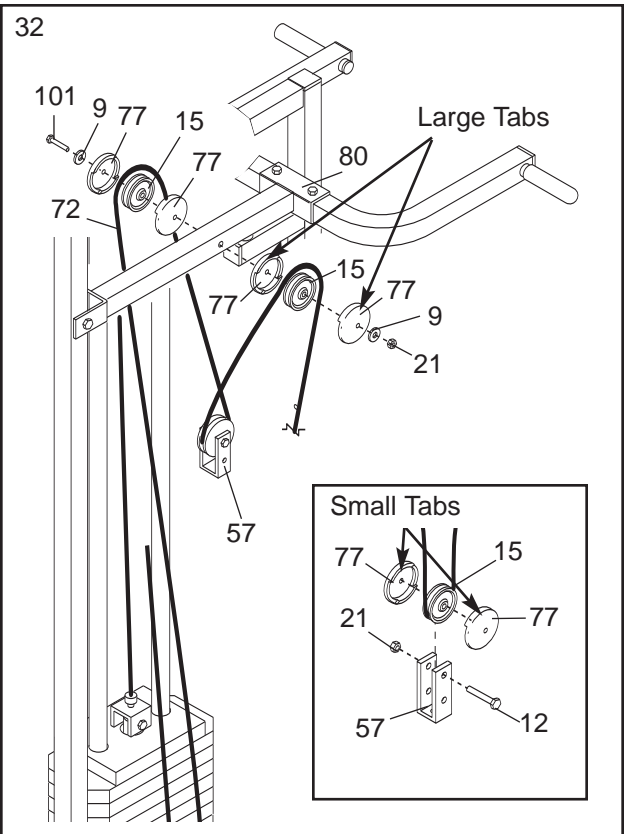
See the inset drawing. Wrap the Military Press Cable (72) around a 3 1/2" Pulley (15). Attach the Pulley and a pair of Pulley Covers (77) to the upper hole in the Long "U"-Bracket (57) with a 3/8" x 2" Bolt (12) and a 3/8" Nylon Locknut (21). **Make sure the small tabs on the Pulley Covers are on the side shown. See the inset drawing.**

Wrap the Military Press Cable (72) around another 3 1/2" Pulley (15). Attach the Pulley and a pair of Pulley Covers (77) to the 3/8" x 5 1/4" Bolt (101) on the other side of the Pivot Arm (80) with a 3/8" Washer (9) and a 3/8" Nylon Locknut (21). **Be sure that the Cable is routed as shown. Make sure the large tabs on the Pulley Covers are on the side shown. See the inset drawing.**

33. Wrap the Military Press Cable (72) around a 3 1/2" Pulley (15). Attach the Pulley and a Cable Trap (66) to the Leg Press Upright (56) with a 3/8" x 2" Bolt (12) and a 3/8" Nylon Locknut (21).

34. Lay the Military Press Cable (72) over a 3 1/2" Pulley (15). Attach the Pulley and a pair of Pulley Covers (77) to the Leg Press Upright (56) with a 3/8" x 3 3/4" Bolt (88), two 3/8" Washers (9), and a 3/8" Nylon Jam Nut (99). **Make sure the small tabs on the Pulley Covers are on the side shown. See the inset drawing.**

Make sure that the Military Press Cable (72) is between the 3 1/2" Pulley (15) and the post. Be sure that the Cable and Pulley move smoothly.



SEAT ASSEMBLY

37. **Locate and open the parts bag labelled “SEAT ASSEMBLY.”**

Insert a 1/4" x 2 1/2" Carriage Bolt (92) through the centre hole in a Seat Plate (37). Attach the Seat Plate to the Leg Press Backrest (85) with two 1/4" x 3/4" Screws (18).

Insert the 1/4" x 2 1/2" Carriage Bolt (92) through the indicated hole in the Leg Press Upright (56). Tighten a 1/4" Nylon Locknut (2) with a 1/4" Washer (10) onto the Carriage Bolt. Attach the top of the Leg Press Backrest (85) to the Leg Press Upright with a 1/4" x 2 1/2" Screw (43) and a 1/4" Washer (10).

38. Attach one end of a Seat (13) to the Leg Press Seat Frame (79) with two 1/4" x 3/4" Screws (18). Attach the other end of the Seat to the Leg Press Seat Frame with a 1/4" Washer (10) and a 1/4" x 2 1/2" Screw (43).

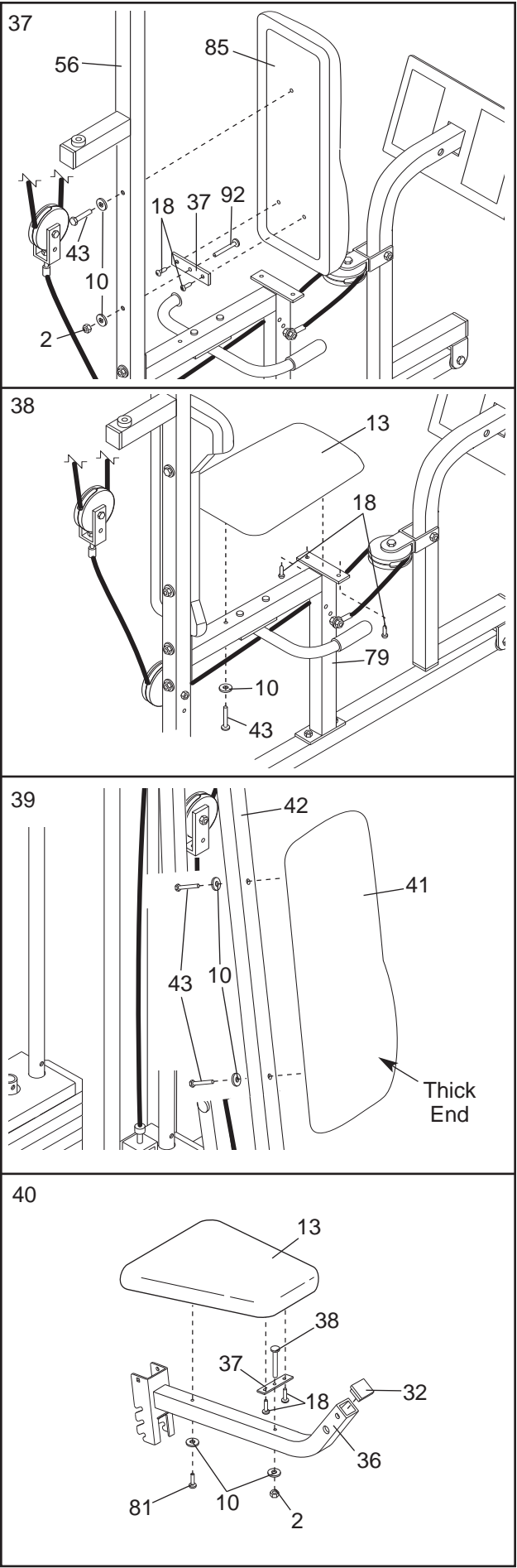
39. Attach the Front Backrest (41) to the Front Upright (42) with two 1/4" x 2 1/2" Screws (43) and two 1/4" Washers (10). **Note: Make sure the Backrest is oriented as shown.**

40. Press a 1 1/2" Square Inner Cap (32) into the Front Seat Frame (36).

Insert a 1/4" x 2" Carriage Bolt (38) through the centre hole in the Seat Plate (37). Attach the Seat Plate to the Seat (13) with two 1/4" x 3/4" Screws (18).

Insert the 1/4" x 2" Carriage Bolt (38) through the indicated hole in the Front Seat Frame (36). Tighten a 1/4" Nylon Locknut (2) with a 1/4" Washer (10) onto the Carriage Bolt.

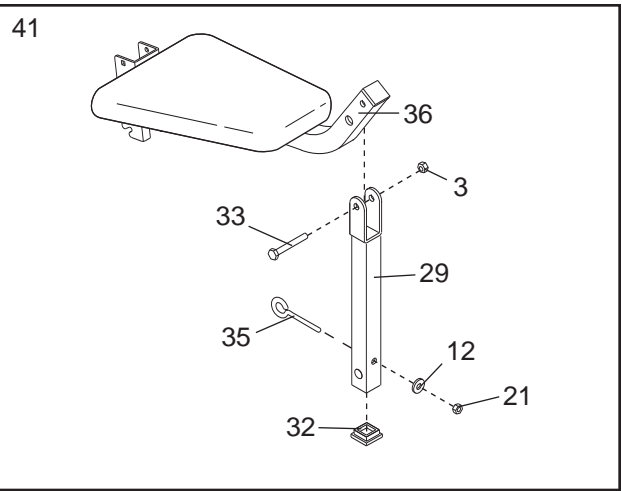
Attach the other end of the Seat (13) to the Front Seat Frame (36) with a 1/4" Washer (10) and a 1/4" x 2" Machine Screw (81).



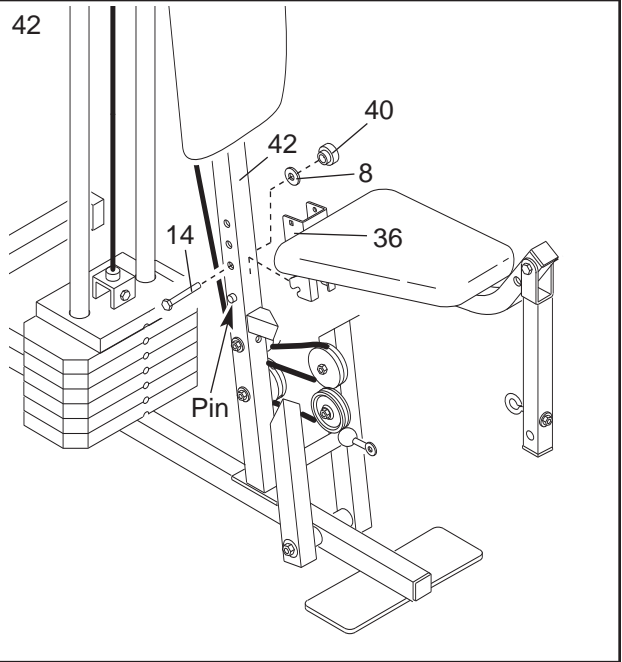
41. Press a 1 1/2" Square Inner Cap (32) into the Leg Lever (29).

Lubricate the 5/16" x 2 1/4" Bolt (33). Attach the Leg Lever (29) to the Front Seat Frame (36) with the Bolt and a 5/16" Nylon Locknut (3).

Insert the 3/8" x 2" Eyebolt (35) into the Leg Lever (29) from the direction shown. Tighten a 3/8" Washer (9) and a 3/8" Nylon Locknut (21) onto the Eyebolt.



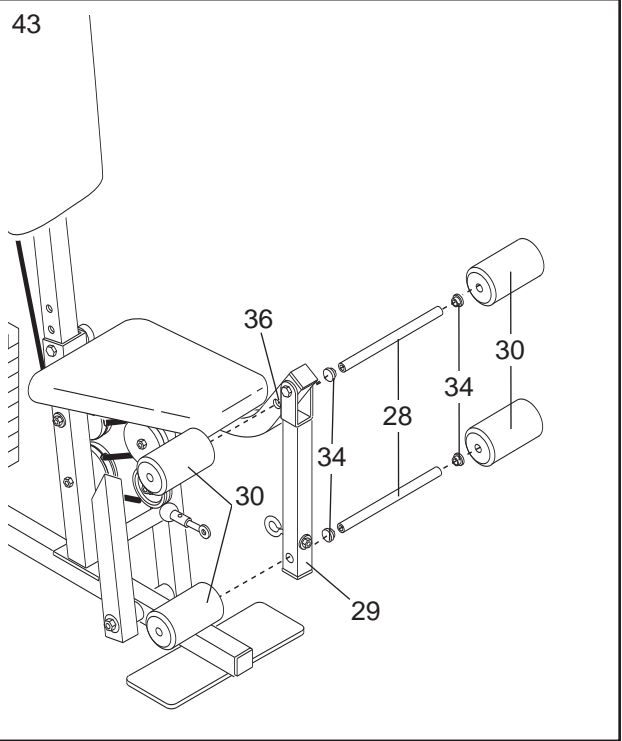
42. Slide one of the three slots in the bracket on the Front Seat Frame (36) onto the indicated pin on the Front Upright (42). Attach the Front Seat Frame to the Front Upright with a 5/16" x 2 3/4" Carriage Bolt (14), a 5/16" Washer (8), and the Seat Knob (40).
Note: The Seat can be attached at three different heights.



43. Press two 3/4" Round Inner Caps (34) into each Pad Tube (28).

Insert a Pad Tube (28) into the Front Seat Frame (36). Slide a Foam Pad (30) onto each end of the Pad Tube.

Insert the other Pad Tube (28) into the Leg Lever (29). Slide a Foam Pad (30) onto each end of the Pad Tube.



44. Make sure that all parts have been properly tightened. The use of the remaining parts will be explained in ADJUSTMENTS, beginning on page 21 of this manual.

Before using the weight system, pull each cable a few times to be sure that the cables move smoothly over the pulleys. If one of the cables does not move smoothly, find and correct the problem. **IMPORTANT: If the cables are not properly installed, they may be damaged when heavy weight is used. See the CABLE DIAGRAMS on page 25 and 26 of this manual for proper cable routing. If there is any slack in the cables, you will need to remove it by tightening the cables. See TROUBLESHOOTING AND MAINTENANCE on page 24.**

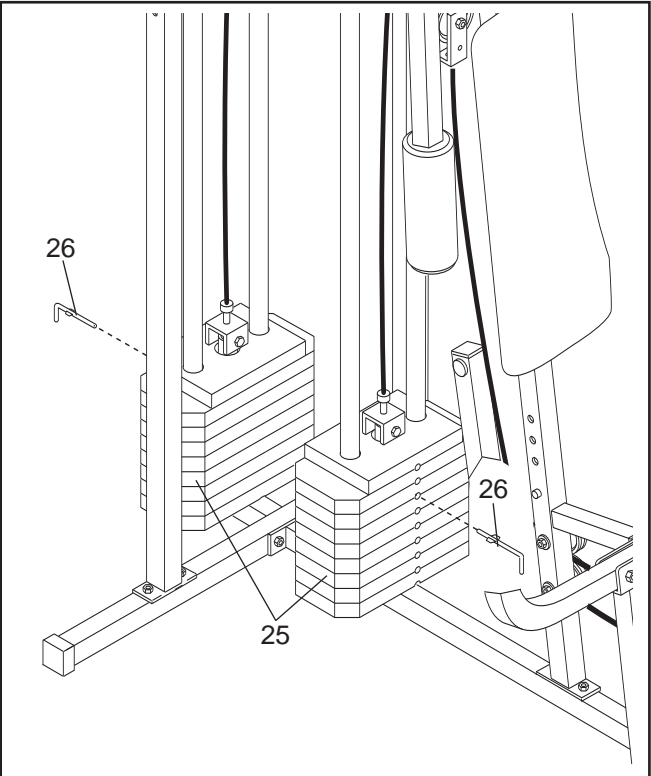
ADJUSTMENTS

The instructions below describe how each part of the weight system can be adjusted. Refer to the exercise guide accompanying this manual to see how the weight system should be set up for each exercise. **IMPORTANT: When attaching the lat bar or nylon strap, make sure that the attachments are in the correct starting position for the exercise to be performed. If there is any slack in the cables or chain as an exercise is performed, the effectiveness of the exercise will be reduced.**

CHANGING THE WEIGHT SETTING

The weight system features two weight stacks. The front weight stack is connected to the upper and lower pulleys, the press arm, and the butterfly arms. The rear weight stack is connected to the military press arm and leg press.

To change the weight setting of either weight stack, insert a Weight Pin (26) under the desired Weight (25). Insert the Weight Pin until the bent end of the Weight Pin is touching the Weights, and turn the bent end downward. The weight setting of either weight stack can be changed from 6.5 pounds to 106.5 pounds, in increments of 12.5 pounds. **Note: Due to the cables and pulleys, the amount of resistance at each exercise station may vary from the weight setting. Use the WEIGHT RESISTANCE CHART on page 23 to find the approximate amount of resistance at each weight station.**

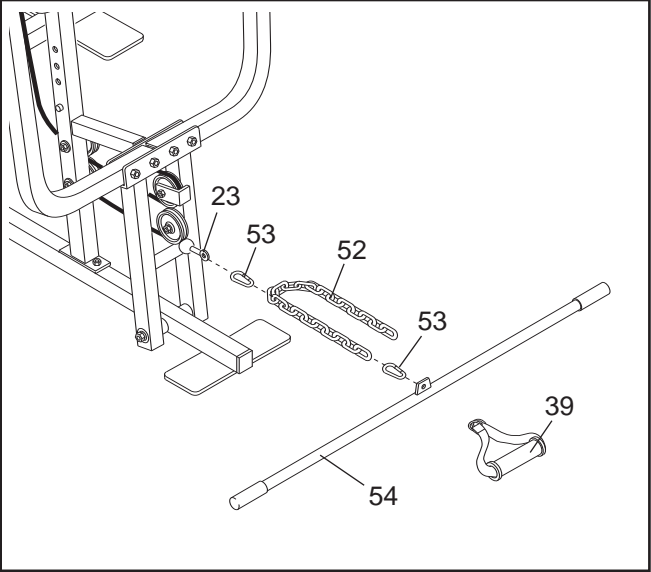


ATTACHING THE LAT BAR OR NYLON STRAP TO A PULLEY STATION

Attach the Lat Bar (54) to the Low Cable (23) with a Cable Clip (53). For some exercises, the Chain (52) should be attached between the Lat Bar and the Low Cable with two Cable Clips. **Adjust the length of the Chain between the Lat Bar and the Low Cable so the Lat Bar is in the correct starting position for the exercise to be performed.**

The Nylon Strap (39) can be attached in the same manner.

The accessories can be attached to the High Cable (not shown) in the same manner.



ATTACHING AND REMOVING THE SEAT

To attach the Seat (13), slide one of the three slots in the bracket on the Front Seat Frame (36) onto the pin on the Front Upright (42). **(Note: The Seat can be attached at three different heights.)** Secure the Front Seat Frame to the Front Upright with the 5/16" x 2 3/4" Carriage Bolt (14), a 5/16" Washer (8), and the Seat Knob (40).

For some exercises, the Seat (13) must be removed. First, be sure that the chain is not attached to the leg lever. Remove the Seat Knob (40), the 5/16" Washer (8), and the 5/16" x 2 3/4" Carriage Bolt (14), and lift the Front Seat Frame off the Front Upright (42).

ATTACHING THE LEG LEVER TO THE LOW PULLEY STATION

To use the Leg Lever (29), the seat must be attached to the front upright (see ATTACHING AND REMOVING THE SEAT above).

Attach one end of the Chain (52) to the Low Cable (23) with a Cable Clip (53). Attach the other end of the Chain to the 3/8" x 2" Eyebolt (35) with a Cable Clip.

ADJUSTING THE LEG PRESS PLATE

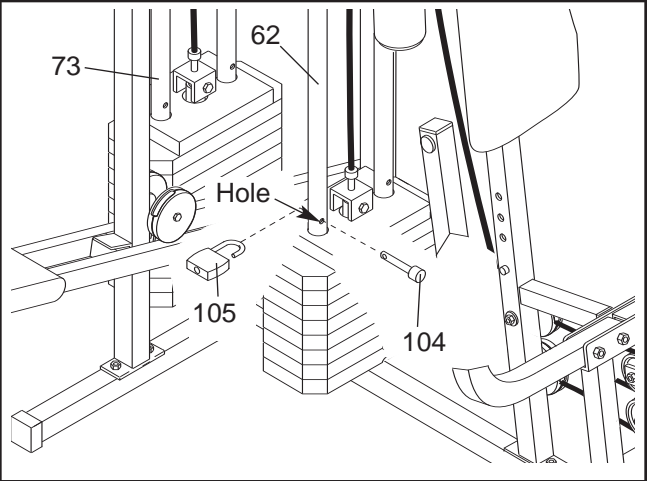
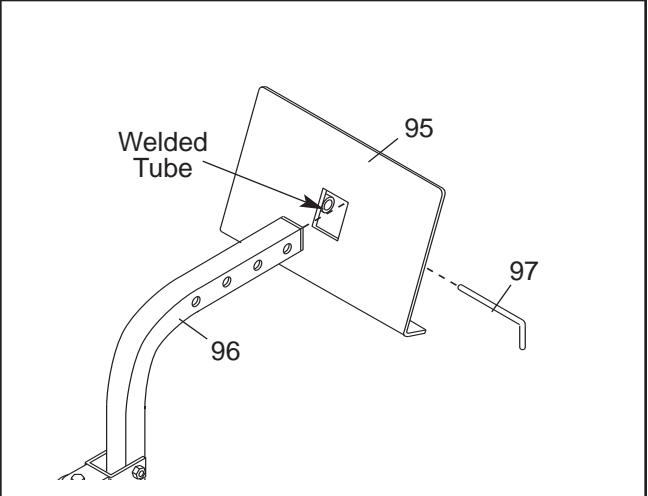
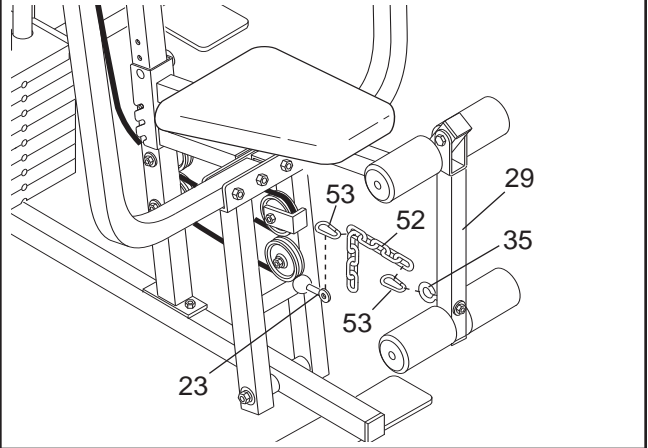
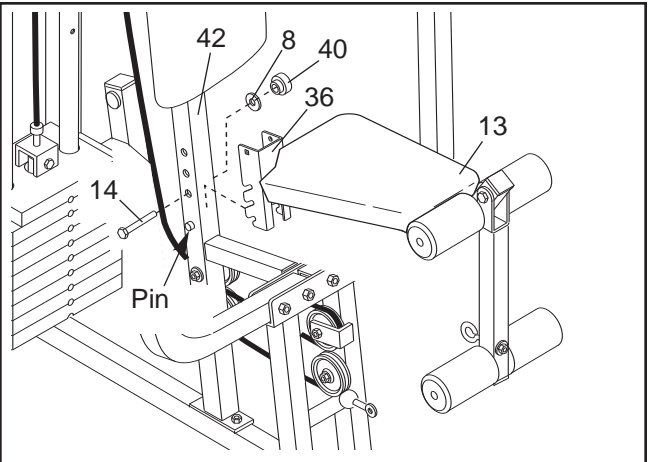
Remove the Press Pin (97) from the Leg Press Plate (95) and the Leg Press Arm (96).

Align the welded tubes on the Leg Press Plate (95) with the desired set of holes in the Leg Press Arm (96). Re-insert the Press Pin (97) through the welded tubes on Leg Press Plate and the holes in the Leg Press Arm.

LOCKING THE WEIGHT STACK

To prevent unauthorised use of the home gym system, insert the Locking Pin (104) into the indicated hole in one of the Weight Guides (62 or 73) and secure the Locking Pin with the Lock (105).

Remove the Locking Pin (104) before using the weight system again.



WEIGHT RESISTANCE CHART

This chart shows the approximate weight resistance at each weight station. “Top” refers to the 6.5-lb. top weight. The other numbers refer to the 12.5-lb. weight plates. The butterfly arm resistance listed is the resistance for each butterfly arm. **The actual resistance at each weight station may vary due to differences in individual weight plates, as well as friction between the cables, pulleys, and weight guides.**

WEIGHT PLATES	PRESS ARM (lbs.)	BUTTERFLY ARM (lbs.)	LEG LEVER (lbs.)	HIGH PULLEY (lbs.)	LOW PULLEY (lbs.)	MILITARY PRESS ARM (lbs.)	LEG PRESS (lbs.)	AB STATION (lbs.)
Top	20	10	15	16	30	46	40	30
1	45	22	36	30	60	72	80	45
2	70	33	54	52	100	97	146	59
3	99	42	75	68	130	122	166	74
4	128	48	96	87	170	147	210	88
5	153	60	115	100	200	172	240	103
6	184	69	137	120	255	198	268	117
7	204	79	146	135	270	223	325	132
8	247	91	176	155	320	248	360	147

Note: 1 lb. = .454 kg

TROUBLESHOOTING AND MAINTENANCE

TIGHTENING THE CABLES

Woven cable, the type of cable used on the weight system, can stretch slightly when it is first used. If there is slack in the cables before resistance is felt, the cables should be tightened. If any slack is felt when using the front weight stack, both the High Cable (58) and the Low Cable (23) will need to be tightened. If any slack is felt when using the rear weight stack, both the Military Press Cable (72) and the Leg Press Cable (78) will need to be tightened.

To tighten the cables, insert the weight pin into the middle of the weight stack. Slack can be removed from these cables several ways:

See drawing 1. Tighten the 1/4" Nylon Locknut (2) that connects the end of the Low Cable (23) to the Long "U"-Bracket (57).

The Leg Press Cable (78) can be tightened in the same manner.

See drawing 1. Remove the 3/8" Nylon Locknut (21) and the 3/8" x 2" Bolt (12) from the Pulley Covers (77), 3 1/2" Pulley (15), and Long "U"-Bracket (57). Re-attach the Pulley and Pulley Covers to the lower hole in the Long "U"-Bracket. Be sure that the small tab on the Pulley Cover is facing up, and that the Cable and Pulley move smoothly.

The other Long "U"-Bracket (57) can be adjusted in the same manner.

See drawing 2. Tighten the 1/4" Nylon Locknut (2) that connects the end of the High Cable (58) to the Small "U"-Bracket (71).

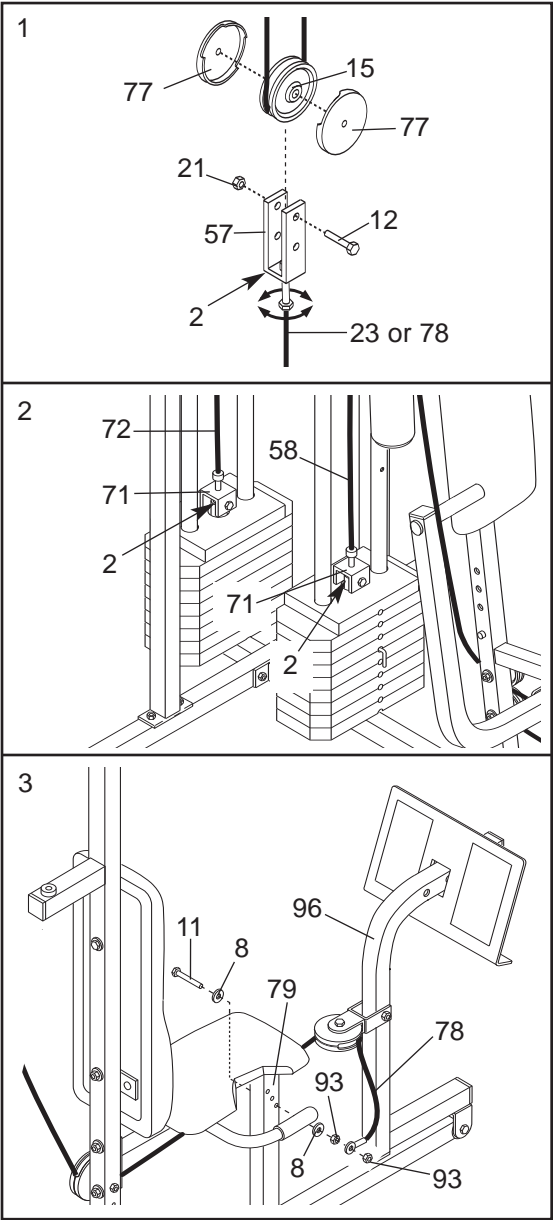
The Military Press Cable (72) can be tightened in the same manner.

See Drawing 3. If additional slack is felt whilst using the Leg Press Arm (96), then the end of the Leg Press Cable (78) must be moved to the next hole in the Leg Press Seat Frame (79). Remove the 5/16" x 2 3/4" Bolt (11), the two 5/16" Washers (8), the end of the Cable, and both 5/16" Nylon Jam Nuts (93) from the Leg Press Seat Frame. Re-attach the Bolt, the Washers, the end of the Cable, and the Nylon Jam Nuts to the next hole in the Leg Press Seat Frame.

Do not over tighten the cables. The top weight will be lifted off the weight stack.

If a cable tends to slip off the pulleys often, it may have become twisted. Remove the cable and re-install it.

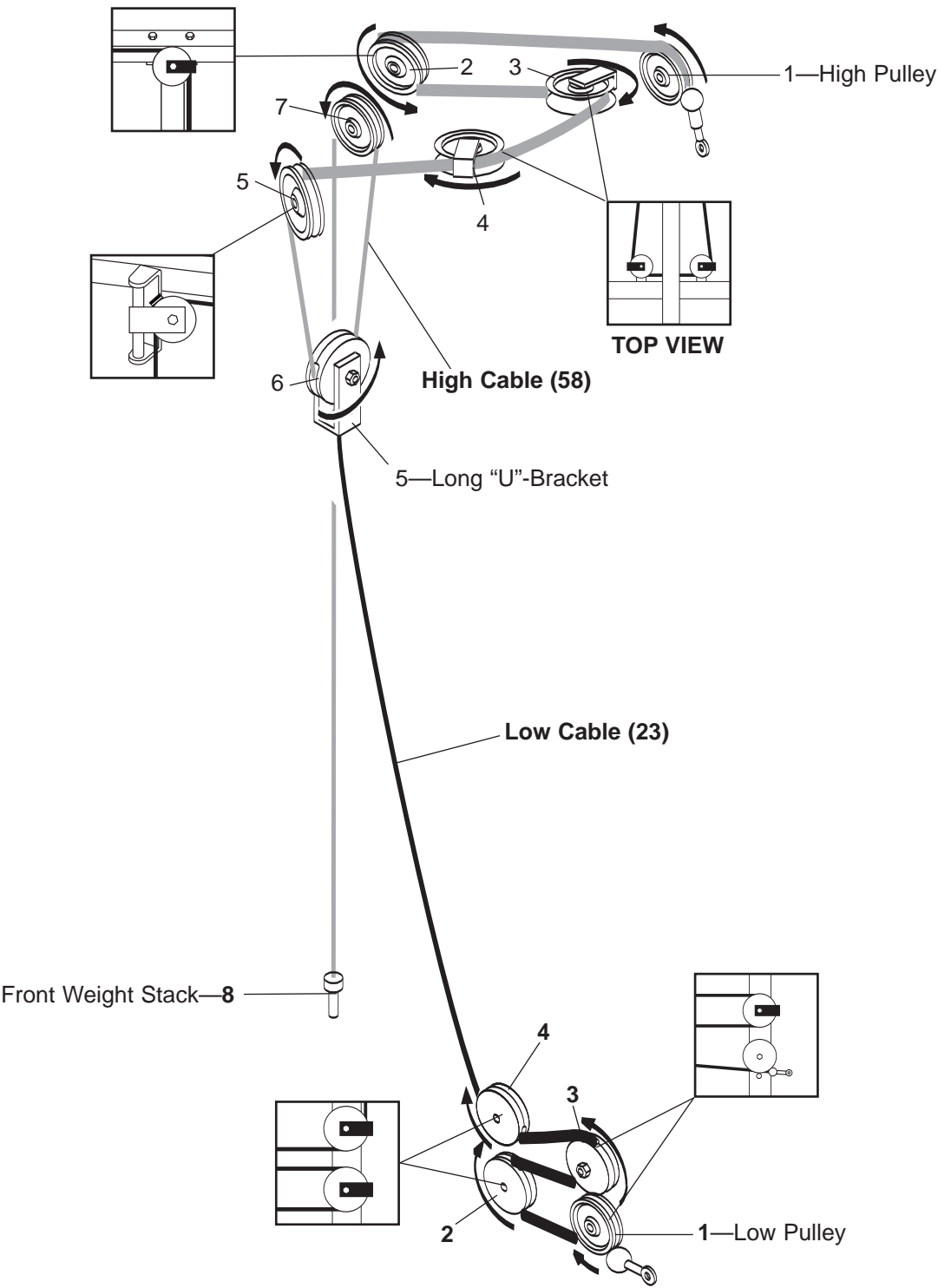
If the cables need to be replaced, see ORDERING REPLACEMENT PARTS on the back cover of this manual.



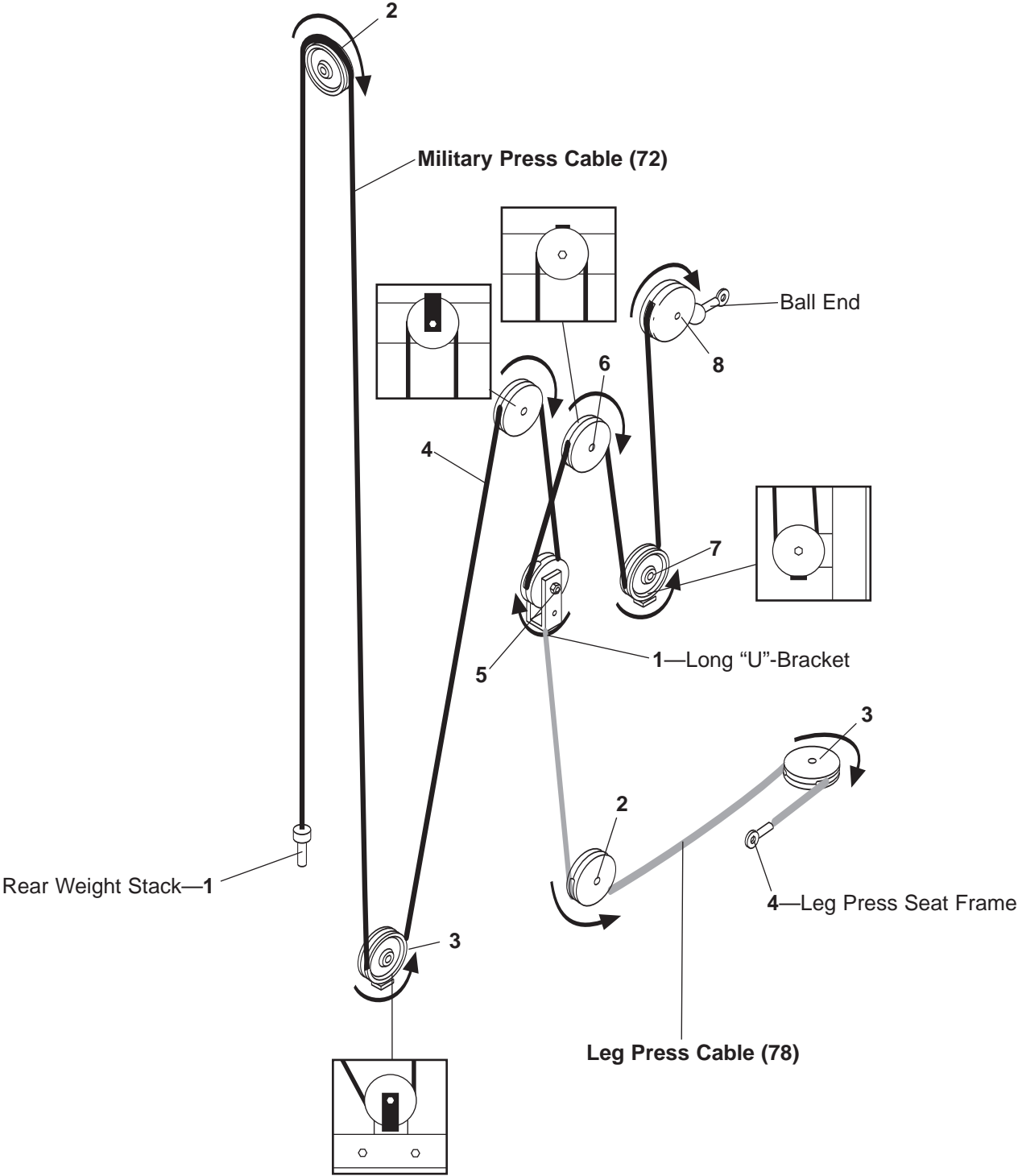
CABLE DIAGRAMS

The cable diagrams on these pages show the proper routing of the High Cable (58), the Low Cable (23), the Military Press Cable (72), and the Leg Press Cable (78). Use the diagrams to be sure that the four cables and the cable traps have been assembled correctly. If the cables have not been correctly routed, the weight system will not function properly and damage may occur. The insets show the proper positioning of the cable traps. The cable traps should be positioned so that the cables will not come off the pulleys. **Be sure that the cable traps do not touch or bind the cables.**

High Cable (58) and Low Cable (23)



Military Press Cable (72) and Leg Press Cable (78)



NOTES

ORDERING REPLACEMENT PARTS

To order replacement parts, contact the ICON Health & Fitness, Ltd. office, or write:

ICON Health & Fitness, Ltd.
Unit 4
Revie Road Industrial Estate
Revie Road
Beeston
Leeds, LS118JG
UK

Tel:

08457 089 009

Outside the UK: 0 (044) 113 387 7133
Fax: 0 (044) 113 387 7125

Please provide the following information when ordering replacement parts:

- the MODEL NUMBER of the product (WEEVSY39120)
- the NAME of the product (WEIDER® PRO 9450 weight system)
- the SERIAL NUMBER of the product (see the front cover of this manual)
- the KEY NUMBER and DESCRIPTION of the part(s) (see the PART LIST and EXPLODED DRAWING attached at the centre of this manual)

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